

NATIONAL CENTER FOR EDUCATION STATISTICS  
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS

*Volume II*  
*Questionnaires*

*National Assessment of Educational Progress (NAEP)*  
*2019 eNAEP Pretesting*

OMB# 1850-0803 v.233



July 2018

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The following text will be included on the student login screens:

### **Authorization and Confidentiality Assurance**

National Center for Education Statistics (NCES) is authorized to conduct NAEP by the National Assessment of Educational Progress Authorization Act (20 U.S.C. §9622) and to collect students' education records from education agencies or institutions for the purposes of evaluating federally supported education programs under the Family Educational Rights and Privacy Act (FERPA, 34 CFR §§ 99.31(a)(3)(iii) and 99.35). The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every NCES employee as well as every NCES agent, such as contractors and NAEP coordinators, has taken an oath and is subject to a jail term of up to 5 years, a fine of \$250,000, or both if he or she willfully discloses ANY identifiable information about you. Electronic submission of your information will be monitored for viruses, malware, and other threats by Federal employees and contractors in accordance with the Cybersecurity Enhancement Act of 2015. The collected information will be combined across respondents to produce statistical reports.

### **Paperwork Burden Statement, OMB Information**

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0928. The time required to complete this information collection is estimated to average 100 minutes, including the time to review instructions and participate in the information collection. If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any other comments or concerns, please write to: *National Assessment of Educational Progress (NAEP), National Center for Education Statistics (NCES), Potomac Center Plaza, 550 12<sup>th</sup> St., SW, 4th floor, Washington, DC 20202*

OMB No. 1850-0928 Approval Expires 08/31/2021



# Student Debriefing Questions

After all students have finished the assessment in each session, field staff will conduct a debriefing activity with the students. Field staff will ask the debriefing questions out loud to the group of students. The questions may be paraphrased, and additional follow-up questions, such as those indicated in the bulleted lists below, may be asked. Students will respond by raising their hands and by calling out responses, as appropriate. Field staff will use their discretion about whether some or all of the questions will be asked, depending on the amount of prompting the students require, and on the amount of time remaining. The debriefing session should not exceed 10 minutes. Field staff will write down the students' responses to the questions.

1. What did you like the most about the assessment?

[Follow-up questions may include:]

- Can you explain that more?
- What did you like the least about the assessment?
- What was missing from the assessment?
- If you had to take a test, would you rather take it on a tablet, or on paper? Why?
- What do you like most about taking a test on a tablet? What do you like the least about taking a test on a tablet?

2. Did you see anything you thought was strange while taking the assessment?

[Follow-up questions may include:]

- Can you explain that more?
- Did questions or images seem slow to load at all to you?
- Was the system slow to move from one page/question to the next at all?
- Did you notice any "Aw, snap" errors?
- Were you able to make these errors occur when you wanted to? How?

3. Did you find the system easy to use and/or easy to learn to use?

[Follow-up questions may include:]

- How did you like the tutorial?
- Did you use the Help screens? Were the Help screens useful?
- What did you think of the tools available? Did you use them?
- Which tool or tools did you like the most? Why?
- Did you have any difficulty using any of the tools? What did you find difficult?
- How did you find the stylus worked with the assessment?
- Did you have any difficulty picking an answer using the available controls? If so, what made it difficult?

4. Is there anything you think would make the assessment better? If so, what?

5. Is there anything else you want to tell us about kids taking assessments on tablets?

## Questionnaires

As part of the assessment administration, students will take a set of survey questionnaire items during their session. These items were previously administered as part of other NAEP assessments or testing. Given the final items for 2019 NAEP administrations have not yet been determined, we have included a library of previously administered components from which the 2019 items will be selected. The table below indicates the assessment components that form this library. Following the table are the components of survey questionnaire items. Not all of the items presented will be administered in 2019. The number of items administered to each student will be appropriate to the 15 minutes allocated. As the items are finalized throughout the development process, the final subset will be included in the eNAEP system for pretesting. As such, the earlier builds may include different items from the library than the final build.

<b>Abbreviation Key</b>
CAFS: Computer Access and Familiarity Study
NIES: National Indian Education Study

<b>Questionnaire Components</b>		
<b>Grade/Subject</b>	<b>Part</b>	<b>Survey Questionnaire</b>
Grade 4 Core	II-a	2018 Pilot Grade 4 Core
	II-b	2018 Cognitive Interviews Grade 4 Core
Grade 8 Core	II-c	2018 Operational Grade 8 Core
	II-d	2018 Cognitive Interviews Grade 8 Core
Grade 12 Core	II-e	2018 Pilot Grade 12 Core
	II-f	2018 Cognitive Interviews Grade 12 Core
Grade 4 Reading	II-g	2017 Operational Grade 4 Reading
	II-h	2018 Cognitive Interviews Grade 4 Reading
Grade 8 Reading	II-i	2017 Operational Grade 8 Reading
	II-j	2018 Cognitive Interviews Grade 8 Reading
Grade 12 Reading	II-k	2018 Pilot Grade 12 Reading
Grade 4 Mathematics	II-l	2017 Operational Grade 4 Mathematics
	II-m	2018 Cognitive Interviews Grade 4 Mathematics
Grade 8 Mathematics	II-n	2017 Operational Grade 8 Mathematics
	II-o	2018 Cognitive Interviews Grade 8 Mathematics
Grade 12 Mathematics	II-p	2018 Pilot Grade 12 Mathematics
Grade 4 Science	II-q	2018 Pilot Grade 4 Science
Grade 8 Science	II-r	2018 Pilot Grade 8 Science
Grade 12 Science	II-s	2018 Pilot Grade 12 Science
Grade 4 NIES	II-t	2015 Operational Grade 4 NIES
Grade 8 NIES	II-u	2015 Operational Grade 8 NIES
Grade 4 CAFS	II-v	2017 Operational Grade 4 CAFS
Grade 8 CAFS	II-w	2017 Operational Grade 8 CAFS
Grade 12 CAFS	II-x	2015 Operational Grade 12 CAFS
Grade 4 and 8 SES-SQ	II-y	2018 Cognitive Interviews Grade 4 & 8 Household Composition

## **Part II-a: 2018 Pilot Grade 4 Core**



1. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

2. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

3. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

4. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

5. How much time pressure did you feel when taking this test?

- Ⓐ No time pressure at all
- Ⓑ A little bit of time pressure
- Ⓒ Some time pressure
- Ⓓ Quite a bit of time pressure
- Ⓔ A lot of time pressure

6. Are you Hispanic or Latino? Select **one or more** answer choices.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

7. Which of the following best describes you? Select **one or more** answer choices.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

8. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)

9. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

10. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

11. How many days were you absent from school in the last month?

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

12. How often do you talk about things you have studied in school with someone in your family?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day

13. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	Ⓐ	Ⓑ	VH271145
b. Stepmother	Ⓐ	Ⓑ	VH271146
c. Foster mother or other female legal guardian	Ⓐ	Ⓑ	VH271147
d. Father	Ⓐ	Ⓑ	VH271148
e. Stepfather	Ⓐ	Ⓑ	VH271149
f. Foster father or other male legal guardian	Ⓐ	Ⓑ	VH271150

14. In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ In all or almost all classes

15. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ In all or almost all classes

16. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271338
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271339
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271345

17. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH733142
b. I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH733143
c. I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH733144

18. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
b. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
c. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
d. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375

19. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH271750
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH271752
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH271753
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH271756

20. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH733150
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH733151
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH733155
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH733154



21. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	<b>Never or hardly ever</b>	<b>Less than half of the time</b>	<b>About half of the time</b>	<b>More than half of the time</b>	<b>All or almost all of the time</b>	
a. I felt awkward and out of place at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

## **Part II-b: 2018 Cognitive Interviews Grade 4 Core**

1. Are you taking an art course now, or have you taken an art course this school year?

- A Yes
- B No

2. Are you taking a music course now, or have you taken a music course this school year?

- A Yes
- B No

3. Do you have any of the following in your home? Select **one** answer choice on each row.

	<b>Yes</b>	<b>No</b>	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	<input type="radio"/> A	<input type="radio"/> B	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	<input type="radio"/> A	<input type="radio"/> B	VH810412

4. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I did not feel safe on my way to or from school.	(A)	(B)	(C)	(D)	(E)	VH810432
b. I worried about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH810433
c. I felt that I was treated fairly by my teachers.	(A)	(B)	(C)	(D)	(E)	VH810434
d. I felt safe on my way to or from school.	(A)	(B)	(C)	(D)	(E)	VH810435
e. I did not worry about crime and violence at my school.	(A)	(B)	(C)	(D)	(E)	VH810436

## **Part II-c: 2018 Operational Grade 8 Core**

1. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

2. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

3. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

4. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

5. How much time pressure did you feel when taking this test?

- Ⓐ No time pressure at all
- Ⓑ A little bit of time pressure
- Ⓒ Some time pressure
- Ⓓ Quite a bit of time pressure
- Ⓔ A lot of time pressure

6. Are you Hispanic or Latino? Select **one or more** answer choices.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

7. Which of the following best describes you? Select **one or more** answer choices.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

8. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)



9. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

10. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

11. How many days were you absent from school in the last month?

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

12. How often do you talk about things you have studied in school with someone in your family?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day

13. How far in school did **your mother** go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

14. How far in school did **your father** go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.

15. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

16. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

17. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	<input type="radio"/> A	<input type="radio"/> B	VH271145
b. Stepmother	<input type="radio"/> A	<input type="radio"/> B	VH271146
c. Foster mother or other female legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271147
d. Father	<input type="radio"/> A	<input type="radio"/> B	VH271148
e. Stepfather	<input type="radio"/> A	<input type="radio"/> B	VH271149
f. Foster father or other male legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271150

18. In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

19. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

20. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH271338
b. I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH271339
c. I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH271345

21. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH733142
b. I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH733143
c. I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH733144

22. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
b. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
c. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
d. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375

23. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH271750
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH271752
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH271753
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH271756

24. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH733150
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH733151
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH733155
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH733154

25. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I felt awkward and out of place at school.	(A)	(B)	(C)	(D)	(E)	VH271942
b. I felt happy at school.	(A)	(B)	(C)	(D)	(E)	VH271944
c. I felt that I learned something that I can use in my daily life.	(A)	(B)	(C)	(D)	(E)	VH336903

26. Write the ZIP code of your home address in the box.

□ □ □ □ □

## **Part II-d: 2018 Cognitive Interviews Grade 8 Core**



1. Are you taking an art course now, or have you taken an art course this school year?

- A Yes
- B No

2. Are you taking a music course now, or have you taken a music course this school year?

- A Yes
- B No

3. Are you taking a language course other than English now, or have you taken a course in a language other than English this school year?

- A Yes (Please specify which language): \_\_\_\_\_
- B No

4. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	Ⓐ	Ⓑ	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	Ⓐ	Ⓑ	VH810412

5. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I did not feel safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810432
b. I worried about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810433
c. I felt that I was treated fairly by my teachers.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810434
d. I felt safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810435
e. I did not worry about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810436

## **Part II-e: 2018 Pilot Grade 12 Core**

1. How important was it to you to do well on this test?

- Ⓐ Not very important
- Ⓑ Somewhat important
- Ⓒ Important
- Ⓓ Very important

2. How easy or difficult was this test?

- Ⓐ Extremely difficult
- Ⓑ Quite difficult
- Ⓒ Somewhat difficult
- Ⓓ Somewhat easy
- Ⓔ Quite easy
- Ⓕ Extremely easy

3. How much effort did you apply to succeed on this test?

- Ⓐ No effort at all
- Ⓑ Very little effort
- Ⓒ Some effort
- Ⓓ Quite a bit of effort
- Ⓔ A lot of effort

4. How challenging was taking this test?

- Ⓐ Not challenging at all
- Ⓑ A little challenging
- Ⓒ Somewhat challenging
- Ⓓ Quite challenging
- Ⓔ Extremely challenging

5. How much time pressure did you feel when taking this test?

- Ⓐ No time pressure at all
- Ⓑ A little bit of time pressure
- Ⓒ Some time pressure
- Ⓓ Quite a bit of time pressure
- Ⓔ A lot of time pressure

5. Are you Hispanic or Latino? Select **one or more** answer choices.

- Ⓐ No, I am not Hispanic or Latino.
- Ⓑ Yes, I am Mexican, Mexican American, or Chicano.
- Ⓒ Yes, I am Puerto Rican or Puerto Rican American.
- Ⓓ Yes, I am Cuban or Cuban American.
- Ⓔ Yes, I am from some other Hispanic or Latino background.

6. Which of the following best describes you? Select **one or more** answer choices.

- Ⓐ White
- Ⓑ Black or African American
- Ⓒ Asian
- Ⓓ American Indian or Alaska Native
- Ⓔ Native Hawaiian or other Pacific Islander

7. About how many books are there in your home?

- Ⓐ Few (0–10)
- Ⓑ Enough to fill one shelf (11–25)
- Ⓒ Enough to fill one bookcase (26–100)
- Ⓓ Enough to fill several bookcases (more than 100)

8. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. Access to the Internet	<input type="radio"/> A	<input type="radio"/> B	VH271105
b. Clothes dryer just for your family	<input type="radio"/> A	<input type="radio"/> B	VH336756
c. Dishwasher	<input type="radio"/> A	<input type="radio"/> B	VH336759
d. Your own bedroom	<input type="radio"/> A	<input type="radio"/> B	VH336762
e. A desktop or laptop computer (including Chromebooks) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH591976
f. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271110
g. A smartphone (for example, iPhone, Samsung Galaxy, HTC One) that you can use	<input type="radio"/> A	<input type="radio"/> B	VH271112

9. How often do you use the Internet for homework at home?

- A Never
- B About once or twice a month
- C About once or twice a week
- D Almost every day
- E Every day

10. How many days were you absent from school in the last month?

- A None
- B 1 or 2 days
- C 3 or 4 days
- D 5 to 10 days
- E More than 10 days

11. How often do you talk about things you have studied in school with someone in your family?

- Ⓐ Never or hardly ever
- Ⓑ Once every few weeks
- Ⓒ About once a week
- Ⓓ Two or three times a week
- Ⓔ Every day

12. How far in school did **your mother** go?

- Ⓐ She did not finish high school.
- Ⓑ She graduated from high school.
- Ⓒ She had some education after high school.
- Ⓓ She graduated from college.
- Ⓔ I don't know.

13. How far in school did **your father** go?

- Ⓐ He did not finish high school.
- Ⓑ He graduated from high school.
- Ⓒ He had some education after high school.
- Ⓓ He graduated from college.
- Ⓔ I don't know.



14. Does **your mother** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

15. What does **your mother** do for work? Select the choice that most closely describes what she does at work.

- |                           |                      |                           |
|---------------------------|----------------------|---------------------------|
| ① Accountant              | ② Farmer             | ③ Religious worker        |
| ④ Artist                  | ⑤ Firefighter        | ⑥ Repair technician       |
| ⑦ Athlete                 | ⑧ Grounds worker     | ⑨ Salesperson             |
| ⑩ Carpenter               | ⑪ Health aide        | ⑫ Scientist               |
| ⑬ Cashier                 | ⑭ Helper             | ⑮ Secretary               |
| ⑯ Cleaner                 | ⑰ Housekeeper        | ⑱ Security guard          |
| ⑲ Clerk                   | ⑳ Janitor            | ㉑ Server                  |
| ㉒ College professor       | ㉓ Lawyer             | ㉔ Social worker           |
| ㉕ Construction worker     | ㉖ Librarian          | ㉗ Software developer      |
| ㉘ Cook                    | ㉙ Manager            | ㉚ Stocker                 |
| ㉛ Customer service        | ㉜ Marketing          | ㉝ Supervisor              |
| ㉞ Day care worker         | ㉟ Mechanic           | ㊱ Surgeon                 |
| ㊲ Dental hygienist        | ㊳ Medical technician | ㊴ Surveyor                |
| ㊵ Dentist                 | ㊶ Military           | ㊷ Taxi driver             |
| ㊸ Designer                | ㊹ Miner              | ㊺ Teacher                 |
| ㊻ Doctor                  | ㊼ Nurse              | ㊽ Therapist               |
| ㊾ Education administrator | ㊿ Office support     | ① Transportation          |
| ② Electrician             | ③ Painter            | ④ Truck driver            |
| ⑤ Engineer                | ⑥ Pharmacist         | ⑦ Veterinarian            |
| ⑧ Executive               | ⑨ Police             | ⑩ Writer                  |
| ⑪ Factory worker          | ⑫ Receptionist       | ⑬ Other (Please specify): |
-

16. Does **your father** work?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I don't know.

17. What does **your father** do for work? Select the choice that most closely describes what he does at work.

- |                           |                      |                                    |
|---------------------------|----------------------|------------------------------------|
| ① Accountant              | ② Farmer             | ③ Religious worker                 |
| ② Artist                  | ③ Firefighter        | ④ Repair technician                |
| ③ Athlete                 | ④ Grounds worker     | ⑤ Salesperson                      |
| ④ Carpenter               | ⑤ Health aide        | ⑥ Scientist                        |
| ⑤ Cashier                 | ⑥ Helper             | ⑦ Secretary                        |
| ⑥ Cleaner                 | ⑦ Housekeeper        | ⑧ Security guard                   |
| ⑦ Clerk                   | ⑧ Janitor            | ⑨ Server                           |
| ⑧ College professor       | ⑨ Lawyer             | ⑩ Social worker                    |
| ⑨ Construction worker     | ⑩ Librarian          | ⑪ Software developer               |
| ⑩ Cook                    | ⑪ Manager            | ⑫ Stocker                          |
| ⑪ Customer service        | ⑫ Marketing          | ⑬ Supervisor                       |
| ⑫ Day care worker         | ⑬ Mechanic           | ⑭ Surgeon                          |
| ⑬ Dental hygienist        | ⑭ Medical technician | ⑮ Surveyor                         |
| ⑭ Dentist                 | ⑮ Military           | ⑯ Taxi driver                      |
| ⑮ Designer                | ⑯ Miner              | ⑰ Teacher                          |
| ⑯ Doctor                  | ⑰ Nurse              | ⑱ Therapist                        |
| ⑰ Education administrator | ⑱ Office support     | ⑲ Transportation                   |
| ⑱ Electrician             | ⑲ Painter            | ⑳ Truck driver                     |
| ⑲ Engineer                | ⑳ Pharmacist         | ㉑ Veterinarian                     |
| ⑳ Executive               | ㉑ Police             | ㉒ Writer                           |
| ㉑ Factory worker          | ㉒ Receptionist       | ㉓ Other (Please specify):<br>_____ |

18. Do any of the following people live in your home? Select **one** answer choice on each row.

	Yes	No	
a. Mother	<input type="radio"/> A	<input type="radio"/> B	VH271145
b. Stepmother	<input type="radio"/> A	<input type="radio"/> B	VH271146
c. Foster mother or other female legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271147
d. Father	<input type="radio"/> A	<input type="radio"/> B	VH271148
e. Stepfather	<input type="radio"/> A	<input type="radio"/> B	VH271149
f. Foster father or other male legal guardian	<input type="radio"/> A	<input type="radio"/> B	VH271150

19. In this school year, how often did you use a **laptop or desktop computer** (including Chromebooks) during your classes at school?

- A Never
- B In some classes
- C In about half of the classes
- D In more than half of the classes
- E In all or almost all classes

20. In this school year, how often did you use a **tablet** (for example, Surface Pro, iPad, Kindle Fire) during your classes at school?

- Ⓐ Never
- Ⓑ In some classes
- Ⓒ In about half of the classes
- Ⓓ In more than half of the classes
- Ⓔ In all or almost all classes

21. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271338
b. I try very hard even after making mistakes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271339
c. I keep working hard even when I feel like quitting.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271342
d. I keep trying to improve myself, even when it takes a long time to get there.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271345

22. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I finish whatever I begin.	(A)	(B)	(C)	(D)	(E)	VH733142
b. I try very hard even after making mistakes.	(A)	(B)	(C)	(D)	(E)	VH733143
c. I keep working hard even when I feel like quitting.	(A)	(B)	(C)	(D)	(E)	VH733145
d. I keep trying to improve myself, even when it takes a long time to get there.	(A)	(B)	(C)	(D)	(E)	VH733144

23. In this school year, how often have you done each of the following? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I started working on assignments right away rather than waiting until the last minute.	(A)	(B)	(C)	(D)	(E)	VH271370
b. I paid attention and resisted distractions.	(A)	(B)	(C)	(D)	(E)	VH271372
c. I stayed on task without reminders from my teacher.	(A)	(B)	(C)	(D)	(E)	VH271374
d. I paid attention in class even when I was not interested.	(A)	(B)	(C)	(D)	(E)	VH271375

24. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH271750
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH271752
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH271753
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH271756

25. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Very much like me	
a. I like complex problems more than easy problems.	(A)	(B)	(C)	(D)	(E)	VH733150
b. I like activities that challenge my thinking abilities.	(A)	(B)	(C)	(D)	(E)	VH733151
c. I enjoy situations where I will have to think about something.	(A)	(B)	(C)	(D)	(E)	VH733155
d. I enjoy thinking about new solutions to problems.	(A)	(B)	(C)	(D)	(E)	VH733154



26. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	<b>Never or hardly ever</b>	<b>Less than half of the time</b>	<b>About half of the time</b>	<b>More than half of the time</b>	<b>All or almost all of the time</b>	
a. I felt awkward and out of place at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271942
b. I felt happy at school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH271944
c. I felt that I learned something that I can use in my daily life.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH336903

27. During this school year, which of the following have you done? Select **one** answer on each row.

	Yes	No	
a. Taken the SAT or ACT College Entrance Exams	Ⓐ	Ⓑ	VH740702
b. Submitted the Free Application for Federal Student Aid (FAFSA)	Ⓐ	Ⓑ	VH740703
c. Applied to a 2-year college	Ⓐ	Ⓑ	VH740704
d. Been accepted to a 2-year college	Ⓐ	Ⓑ	VH740705
e. Applied to a 4-year college	Ⓐ	Ⓑ	VH740706
f. Been accepted to a 4-year college	Ⓐ	Ⓑ	VH740708
g. Applied to a certificate or diploma program at a school that provides occupational training (such as electrician, beautician, mechanic, computer programmer, etc.)	Ⓐ	Ⓑ	VH740709
h. Been accepted to a technical training program	Ⓐ	Ⓑ	VH740710
i. Talked with a military recruiter	Ⓐ	Ⓑ	VH740711
j. Enlisted in the military	Ⓐ	Ⓑ	VH740712
k. Applied for a full-time job	Ⓐ	Ⓑ	VH740713
l. Been interviewed for a full-time job	Ⓐ	Ⓑ	VH740714

28. Which of the following best describes your high school program?

- Ⓐ General
- Ⓑ Academic or college preparatory
- Ⓒ Vocational or technical

29. Write the ZIP code of your home address in the box.

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## **Part II-f: 2018 Cognitive Interviews Grade 12 Core**

1. Are you taking an art course now, or have you taken an art course this school year?

- A Yes
- B No

2. Are you taking a music course now, or have you taken a music course this school year?

- A Yes
- B No

3. Are you taking a language course other than English now, or have you taken a course in a language other than English this school year?

- A Yes (Please specify which language): \_\_\_\_\_
- B No

4. How well do you think your education has prepared you for the future you want to have after high school (for example, going to college or working a job)?

- A Has not prepared me at all
- B Has prepared me a little
- C Has prepared me somewhat
- D Has prepared me quite a bit
- E Has prepared me a lot

5. Do you have any of the following in your home? Select **one** answer choice on each row.

	Yes	No	
a. A tablet (for example, Surface Pro, iPad, Kindle Fire) that you can use	Ⓐ	Ⓑ	VH810410
b. Your own tablet (for example, Surface Pro, iPad, Kindle Fire)	Ⓐ	Ⓑ	VH810411
c. Your own e-book reader (for example, Kindle, Nook, Kobo Aura)	Ⓐ	Ⓑ	VH810412

6. In this school year, how often have you felt any of the following ways about your school? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. I did not feel safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810432
b. I worried about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810433
c. I felt that I was treated fairly by my teachers.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810434
d. I felt safe on my way to or from school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810435
e. I did not worry about crime and violence at my school.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810436

## **Part II-g: 2017 Operational Grade 4 Reading**

1. How often does your teacher ask you to read a book you have chosen yourself?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

2. How often does your teacher ask you to discuss new or difficult vocabulary?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

3. For school this year, how often do you work in pairs or small groups to talk about something that you have read?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

4. For school this year, how often do you have a class discussion about something that the class has read?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

5. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times



6. On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork and homework?
- Ⓐ Less than 30 minutes
  - Ⓑ About 30 minutes
  - Ⓒ About 1 hour
  - Ⓓ About 2 hours
  - Ⓔ About 3 hours
  - Ⓕ 4 or more hours

7. In this school year, how often do you borrow reading materials (such as books or magazines) from your school library or media center?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

8. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861
f. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863

9. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at reading.	(A)	(B)	(C)	(D)	(E)	VH260928
b. I want to show others that my English/language arts schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH260929
c. I want to look smart in comparison to the other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260930
d. I want to learn as much as possible in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260931
e. I want to become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938

10. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

11. Besides doing homework, how much time do you spend reading **outside of school**?

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

12. How often do you receive help from a tutor, family member, or friend with English/language arts **outside of school or after school**?

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

13. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about books (print or online) with other people	(A)	(B)	(C)	(D)	(E)	VH260907
b. Go to my local library to borrow books (print or online)	(A)	(B)	(C)	(D)	(E)	VH260911
c. Read blogs	(A)	(B)	(C)	(D)	(E)	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	(A)	(B)	(C)	(D)	(E)	VH333261
e. Help friends with reading homework	(A)	(B)	(C)	(D)	(E)	VH260917

## **Part II-h: 2018 Cognitive Interviews Grade 4 Reading**

1. In this school year, how often do you borrow or download reading materials (such as books or magazines) from your school (for example, a **classroom library**, **school library**, or **media center**)?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

2. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy finding things to read online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811338
b. I like talking about topics I read online with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811340

3. How often do you typically do each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Read stories or novels	(A)	(B)	(C)	(D)	(E)	VH811355
b. Read newspapers or magazines	(A)	(B)	(C)	(D)	(E)	VH811356
c. Read comic books or graphic novels	(A)	(B)	(C)	(D)	(E)	VH811357
d. Read online about topics I am interested in	(A)	(B)	(C)	(D)	(E)	VH811359
e. Talk about things I read with other people	(A)	(B)	(C)	(D)	(E)	VH811365
f. Borrow or download books from my local library	(A)	(B)	(C)	(D)	(E)	VH811366

4. Do you think you can do each of the following activities when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Critique an author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH811213
b. Use evidence from a text to support your answer	(A)	(B)	(C)	(D)	(E)	VH811215



5. How often do you receive the following types of help with English/language arts schoolwork outside or after school? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Help from a teacher	(A)	(B)	(C)	(D)	(E)	VH811190
b. Help from a tutor	(A)	(B)	(C)	(D)	(E)	VH811192
c. Help from a family member or friend	(A)	(B)	(C)	(D)	(E)	VH811196
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	(E)	VH811200

6. How useful do you find each of the following types of help to understand your English/language arts schoolwork? Select **one** answer choice on each row.

	Not useful at all	Somewhat useful	Very useful	I don't receive that type of help	
a. Help from a teacher	(A)	(B)	(C)	(D)	VH811287
b. Help from a tutor	(A)	(B)	(C)	(D)	VH811291
c. Help from a family member or friend	(A)	(B)	(C)	(D)	VH811302
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	VH811304

## **Part II-i: 2017 Operational Grade 8 Reading**

1. For your English/language arts class this year, how often do you do each of the following? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Have a class discussion about something that the whole class has read	(A)	(B)	(C)	(D)	(E)	VH332888
b. Work in pairs or small groups to talk about something that you have read	(A)	(B)	(C)	(D)	(E)	VH332889

2. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Evaluate the main evidence in a persuasive/argument passage	(A)	(B)	(C)	(D)	(E)	VH260256
b. Analyze the author's organization of information in a passage	(A)	(B)	(C)	(D)	(E)	VH333142
c. Critique the author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH333144

3. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Summarize the passage	(A)	(B)	(C)	(D)	(E)	VH333075
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	(E)	VH333076
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	(E)	VH333079
d. Identify the main ideas of the passage	(A)	(B)	(C)	(D)	(E)	VH333078
e. Identify the themes of the passage	(A)	(B)	(C)	(D)	(E)	VH333094
f. Analyze two or more texts on the same topic	(A)	(B)	(C)	(D)	(E)	VH333077

4. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?

- (A) Never
- (B) Once
- (C) Two or three times
- (D) Four or five times
- (E) More than five times

5. On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork and homework?
- Ⓐ Less than 30 minutes
  - Ⓑ About 30 minutes
  - Ⓒ About 1 hour
  - Ⓓ About 2 hours
  - Ⓔ About 3 hours
  - Ⓕ 4 or more hours

6. In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library or media center? Ⓐ Never
- Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

7. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861

8. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Recognize the difference between fact and opinion in a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260863
b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260857
c. Critique an author's craft or technique	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260866
d. Use evidence from a text to support my answer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH616841
e. Identify the author's perspective in a persuasive text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260868

9. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at reading.	(A)	(B)	(C)	(D)	(E)	VH260928
b. I want to show others that my English/language arts schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH260929
c. I want to look smart in comparison to the other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260930
d. I want to learn as much as possible in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260931
e. I want to become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938



10. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

11. Besides doing homework, how much time do you spend reading **outside of school**?

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

12. How often do you receive help from a tutor, family member, or friend with English/language arts **outside of school or after school**?

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

13. How often do you typically read each of the following **outside of school** (print or online)? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Stories or novels	(A)	(B)	(C)	(D)	(E)	VH261066
b. Poems	(A)	(B)	(C)	(D)	(E)	VH261067
c. Plays	(A)	(B)	(C)	(D)	(E)	VH261068
d. Biographies	(A)	(B)	(C)	(D)	(E)	VH617043
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
h. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

14. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about books (print or online) with other people	(A)	(B)	(C)	(D)	(E)	VH260907
b. Go to my local library to borrow books (print or online)	(A)	(B)	(C)	(D)	(E)	VH260911
c. Read blogs	(A)	(B)	(C)	(D)	(E)	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	(A)	(B)	(C)	(D)	(E)	VH333261
e. Help friends with reading homework	(A)	(B)	(C)	(D)	(E)	VH260917

## **Part II-j: 2018 Cognitive Interviews Grade 8 Reading**

1. In this school year, how often do you borrow or download reading materials (such as books or magazines) from your school (for example, a **classroom library**, **school library**, or **media center**)?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

2. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy finding things to read online.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811338
b. I like talking about topics I read online with other people.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH811340

3. How often do you typically do each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Read stories or novels	(A)	(B)	(C)	(D)	(E)	VH811355
b. Read newspapers or magazines	(A)	(B)	(C)	(D)	(E)	VH811356
c. Read comic books or graphic novels	(A)	(B)	(C)	(D)	(E)	VH811357
d. Read online about topics I am interested in	(A)	(B)	(C)	(D)	(E)	VH811359
e. Talk about things I read with other people	(A)	(B)	(C)	(D)	(E)	VH811365
f. Borrow or download books from my local library	(A)	(B)	(C)	(D)	(E)	VH811366

4. How often do you receive the following types of help with English/language arts schoolwork outside or after school? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Help from a teacher	(A)	(B)	(C)	(D)	(E)	VH811190
b. Help from a tutor	(A)	(B)	(C)	(D)	(E)	VH811192
c. Help from a family member or friend	(A)	(B)	(C)	(D)	(E)	VH811196
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	(E)	VH811200

5. How useful do you find each of the following types of help to understand your English/language arts schoolwork? Select **one** answer choice on each row.

	Not useful at all	Somewhat useful	Very useful	I don't receive that type of help	
a. Help from a teacher	(A)	(B)	(C)	(D)	VH811287
b. Help from a tutor	(A)	(B)	(C)	(D)	VH811291
c. Help from a family member or friend	(A)	(B)	(C)	(D)	VH811302
d. Help from online resources (for example, websites or apps)	(A)	(B)	(C)	(D)	VH811304

6. Do you think you can do each of the following activities when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Analyze the author's use of features in a text (for example, transition words, voice)	(A)	(B)	(C)	(D)	(E)	VH811227
b. Analyze the author's use of figurative language (for example, symbolisms, metaphors, or foreshadowing)	(A)	(B)	(C)	(D)	(E)	VH811229
c. Recognize tools the author is using (for example, parallel structure, examples, or repetition)	(A)	(B)	(C)	(D)	(E)	VH811231
d. Evaluate the strength and quality of evidence used by the author to support his or her position	(A)	(B)	(C)	(D)	(E)	VH811233

## **Part II-k: 2018 Pilot Grade 12 Reading**

**Grade 12 specific items**

VH240417

1. For your English/language arts class this year, how many times have you done each of the following? Select **one** answer choice on each row.

	Never	Once	2 or 3 times	4 or 5 times	6 or more times	
a. Made a presentation to the class about something that you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH240420
b. Done a project about something that you have read (for example, written a play, created a website)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH240421

VH332887

2. For your English/language arts class this year, how often do you do each of the following? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Have a class discussion about something that the whole class has read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH332888
b. Work in pairs or small groups to talk about something that we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH652035
c. Discuss different interpretations of what we have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH652037



3. Are you currently enrolled in or have you taken an Advanced Placement (AP<sup>®</sup>) course in English/language arts? Select **all** that apply.
- Ⓐ Yes, I am enrolled in or have taken Advanced Placement (AP) English **Language** and Composition.
  - Ⓑ Yes, I am enrolled in or have taken Advanced Placement (AP) English **Literature** and Composition.
  - Ⓒ No, I have never taken an Advanced Placement (AP) English/language arts course.

4. Are you currently enrolled in or have you taken the International Baccalaureate<sup>®</sup> (IB) Language A1 course?
- Ⓐ Yes
  - Ⓑ No

5. Are you currently enrolled in or have you taken any online English/language arts courses for high school or college credit?
- Ⓐ Yes
  - Ⓑ No

Items previously cleared at Grade 8 and proposed for Grade 12

VH260254

1. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Evaluate the main evidence in a persuasive/argument passage	(A)	(B)	(C)	(D)	(E)	VH260256
b. Analyze the author's organization of information in a passage	(A)	(B)	(C)	(D)	(E)	VH333142
c. Critique the author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH333144

VH333074

2. In your English/language arts class this year, when reading a story, article, or other passage, how often does your teacher ask you to do the following? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Summarize the passage	(A)	(B)	(C)	(D)	(E)	VH333075
b. Interpret the meaning of the passage	(A)	(B)	(C)	(D)	(E)	VH333076
c. Question the motives or feelings of the characters	(A)	(B)	(C)	(D)	(E)	VH333079
d. Identify the main ideas of the passage	(A)	(B)	(C)	(D)	(E)	VH333078
e. Identify the themes of the passage	(A)	(B)	(C)	(D)	(E)	VH333094
f. Analyze two or more texts on the same topic	(A)	(B)	(C)	(D)	(E)	VH333077

Please note: (1) Some grade 8 items may not be included in the grade 12 pilot if they do not perform well in the 2017 pilot.

3. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved reading?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

4. On a typical school day, how much time do you use a computer or other digital device to do your **English/language arts** schoolwork?
- Ⓐ Less than 30 minutes
  - Ⓑ About 30 minutes
  - Ⓒ About 1 hour
  - Ⓓ About 2 hours
  - Ⓔ About 3 hours
  - Ⓕ 4 or more hours

5. In this school year, how often do you borrow reading materials (such as books or magazines) from your classroom library, school library, or media center?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

6. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Figure out the meaning of a word you don't know by using other words in the text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260848
b. Explain the meaning of something you have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260849
c. Figure out the main idea of a text	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260851
d. Find text in a reading passage to help you answer a question on a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260859
e. Recognize when you don't understand something you are reading	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH260861

Please note: (1) Some grade 8 items may not be included in the grade 12 pilot if they do not perform well in the 2017 pilot.

7. Do you think you would be able to do each of the following when reading? Select **one** answer choice on each row.

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Recognize the difference between fact and opinion in a text	(A)	(B)	(C)	(D)	(E)	VH260863
b. Judge the reliability of sources (for example, how a website might be biased or inaccurate)	(A)	(B)	(C)	(D)	(E)	VH260857
c. Critique an author's craft or technique	(A)	(B)	(C)	(D)	(E)	VH260866
d. Use evidence from a text to support my answer	(A)	(B)	(C)	(D)	(E)	VH616841
e. Identify the author's perspective in a persuasive text	(A)	(B)	(C)	(D)	(E)	VH260868

8. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at reading.	(A)	(B)	(C)	(D)	(E)	VH260928
b. I want to show others that my English/language arts schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH260929
c. I want to look smart in comparison to the other students in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260930
d. I want to learn as much as possible in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260931
e. I want to become a better reader this year.	(A)	(B)	(C)	(D)	(E)	VH260934
f. I want to understand as much as I can in my English/language arts class.	(A)	(B)	(C)	(D)	(E)	VH260938

9. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. Reading is one of my favorite activities.	(A)	(B)	(C)	(D)	(E)	VH260271
b. I like talking about books with other people.	(A)	(B)	(C)	(D)	(E)	VH260272
c. I think reading is important.	(A)	(B)	(C)	(D)	(E)	VH260275
d. I enjoy going to a bookstore or a library.	(A)	(B)	(C)	(D)	(E)	VH260277

10. Besides doing homework, how much time do you spend reading **outside of school**?

- (A) Less than 30 minutes a day
- (B) About 30 minutes a day
- (C) About 1 hour a day
- (D) About 2 hours a day
- (E) About 3 hours a day
- (F) 4 or more hours a day

11. How often do you receive help from a tutor, family member, or friend with English/language arts **outside of school or after school**?

- (A) Never
- (B) About once or twice a year
- (C) About once or twice a month
- (D) About once or twice a week
- (E) Every day or almost every day

12. How often do you typically read each of the following **outside of school** (print or online)? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Stories or novels	(A)	(B)	(C)	(D)	(E)	VH261066
b. Poems	(A)	(B)	(C)	(D)	(E)	VH261067
c. Plays	(A)	(B)	(C)	(D)	(E)	VH261068
d. Biographies	(A)	(B)	(C)	(D)	(E)	VH617043
e. Comic books	(A)	(B)	(C)	(D)	(E)	VH261070
f. Magazines	(A)	(B)	(C)	(D)	(E)	VH261071
g. E-mails	(A)	(B)	(C)	(D)	(E)	VH261074
h. Text messages	(A)	(B)	(C)	(D)	(E)	VH261075

13. How often do you typically do each of the following things **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about books (print or online) with other people	(A)	(B)	(C)	(D)	(E)	VH260907
b. Go to my local library to borrow books (print or online)	(A)	(B)	(C)	(D)	(E)	VH260911
c. Read blogs	(A)	(B)	(C)	(D)	(E)	VH260913
d. Use social media (for example, Facebook, Twitter, Instagram)	(A)	(B)	(C)	(D)	(E)	VH333261
e. Help friends with reading homework	(A)	(B)	(C)	(D)	(E)	VH260917



21. For school this year, how often do you write stories?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

22. For school this year, how often do you write reports?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

23. For school this year, how often do you write letters?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

24. For school this year, how often do you typically write for each of the following purposes? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. To explain something that you know or have read	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312245
b. To convince or persuade someone	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312246
c. To describe a real experience (for example, write about factual events or personal experiences)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312247
d. To describe an imagined experience (for example, tell a fictional story)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH312248

25. For school this year, how often do you look for information on the Internet to include in your writing?

- Ⓐ Never or hardly ever
- Ⓑ A few times a year
- Ⓒ Once or twice a month
- Ⓓ At least once a week

## **Part II-1: 2017 Operational Grade 4 Mathematics**

21. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved math?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

22. For school this year, how often do you work in pairs or small groups to talk about something that you have done in math?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

23. How often do you use a computer or other digital device (excluding handheld calculators) for math **at school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

24. How often do you use a computer or other digital device (excluding handheld calculators) for math homework?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

25. How often do you use the Internet to learn things about math?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

26. How often do you **use a calculator**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

27. How often do you receive help or tutoring with math **outside of school or after school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

28. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. My teacher used computers or other digital devices when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH588077
b. My teacher required us to use computers or other digital devices to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267419

29. How often do you use math in everyday life **outside of school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

30. How often do you participate in each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about math problems with your friends	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
c. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

31. Have you ever helped your friends with their math homework?

- Ⓐ Yes
- Ⓑ No

32. Over the past seven days, how many days have you helped your friends with their math homework? Enter the number of days.



33. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
d. Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

34. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at math.	(A)	(B)	(C)	(D)	(E)	VH269049
b. I want to show others that my math schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH269050
c. I want to look smart in comparison to the other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269053
d. I want to learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

35. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy doing math.	(A)	(B)	(C)	(D)	(E)	VH267479
b. I look forward to my math class.	(A)	(B)	(C)	(D)	(E)	VH267481
c. I am interested in the things I learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
d. I think making an effort in math is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH267485
e. I think math will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH267486
f. I think it is important to do well in math.	(A)	(B)	(C)	(D)	(E)	VH267487

## **Part II-m: 2018 Cognitive Interviews Grade 4 Mathematics**

1. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. My teacher used computers or other digital devices to go on websites or use apps when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810476
b. My teacher required us to use computers or other digital devices to go on websites or use apps to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810477

2. Thinking about math, do you think that you can do each of the following problems? Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Find all the factors of a whole number (for example, find the factors of 16, or explain why 5 is a prime number)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810883
b. Show how many times larger or smaller one thing is than the other (for example, how many times larger is a basketball than a baseball?)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810885

3. Thinking about math, do you think that you can do each of the following problems?  
Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Share 42 stickers equally among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810864
b. Calculate what time the movie ends if it starts at 11:00 AM and lasts for 2 hours and 45 minutes.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810865

4. For school this year, how often do you work in pairs or small groups to talk about something that you are doing in math ?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

## **Part II-n: 2017 Operational Grade 8 Mathematics**

25. What math class are you taking this year? Select **one or more** answer choices.

- Ⓐ Eighth-grade math
- Ⓑ General eighth-grade math
- Ⓒ Algebra I course
- Ⓓ First year of a two-year algebra course
- Ⓔ Second year of a two-year algebra course
- Ⓕ Algebra I (one-year course)
- Ⓖ Algebra II
- Ⓗ Geometry
- Ⓘ Other

26. What math class do you expect to take next year?

- Ⓐ Geometry
- Ⓑ Algebra II
- Ⓒ Algebra I (one-year course)
- Ⓓ First year of a two-year Algebra I course
- Ⓔ Second year of a two-year Algebra I course
- Ⓕ Introduction to algebra or pre-algebra
- Ⓖ Basic or general math
- Ⓗ Business or consumer math
- Ⓘ Other math class
- Ⓝ I don't know.



27. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved math?
- Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

28. For school this year, how often do you work in pairs or small groups to talk about something that you have done in math?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

29. How often do you use a computer or other digital device (excluding handheld calculators) for math **at school**?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

30. How often do you receive help or tutoring with math **outside of school or after school**?
- Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

31. In your math class this year, how often have you used the following types of calculators? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. Basic calculator	(A)	(B)	(C)	(D)	(E)	VH266809
b. Graphing calculator	(A)	(B)	(C)	(D)	(E)	VH266810

32. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. My teacher used computers or other digital devices to show us how to work through math problems.	(A)	(B)	(C)	(D)	(E)	VH267416
b. I used the Internet for my math work.	(A)	(B)	(C)	(D)	(E)	VH267417
c. My teacher used computers or other digital devices when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH588077
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

33. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to complete your math assignments?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

34. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

35. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to take an online practice test?

- Ⓐ Never
- Ⓑ Once
- Ⓒ Two or three times
- Ⓓ Four or five times
- Ⓔ More than five times

36. How often do you use math in everyday life **outside of school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

37. How often do you participate in each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about math problems with your friends	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Program computers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268949
c. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

38. Have you ever helped your friends with their math homework?

- Ⓐ Yes
- Ⓑ No

39. Over the past seven days, how many days have you helped your friends with their math homework? Enter the number of days.

40. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267679
d. Describe the properties shared by every isosceles right triangle	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267681
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
f. Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

41. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at math.	(A)	(B)	(C)	(D)	(E)	VH269049
b. I want to show others that my math schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH269050
c. I want to look smart in comparison to the other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269053
d. I want to learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

42. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy doing math.	(A)	(B)	(C)	(D)	(E)	VH267479
b. I look forward to my math class.	(A)	(B)	(C)	(D)	(E)	VH267481
c. I am interested in the things I learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
d. I think making an effort in math is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH267485
e. I think math will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH267486
f. I think it is important to do well in math.	(A)	(B)	(C)	(D)	(E)	VH267487

43. How much do you enjoy solving each of the following types of math problems? Select **one** answer choice on each row.

	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	
a. Addition, subtraction, multiplication, and division	(A)	(B)	(C)	(D)	(E)	VH267499
b. Finding areas of shapes and figures	(A)	(B)	(C)	(D)	(E)	VH267501
c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	(A)	(B)	(C)	(D)	(E)	VH267502
d. Solving equations or simplifying expressions	(A)	(B)	(C)	(D)	(E)	VH267503
e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	(A)	(B)	(C)	(D)	(E)	VH267504
f. Working with geometric figures like rectangles and squares	(A)	(B)	(C)	(D)	(E)	VH267505



## **Part II-o: 2018 Cognitive Interviews Grade 8 Mathematics**

1. For school this year, how often do you work in pairs or small groups to talk about something that you are doing in math ?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

2. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. My teacher used computers or other digital devices to go on websites or use apps when teaching math to my class.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810476
b. My teacher required us to use computers or other digital devices to go on websites or use apps to complete math assignments.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810477

3. In your math class this year, how often have you used the following types of calculators? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. Basic calculator (for example, four-function)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810619

4. Thinking about math, do you think that you can do each of the following problems?  
Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Approximate the value of an irrational number (for example, place square root of 2 on a number line)	(A)	(B)	(C)	(D)	(E)	VH810891
b. Find the total sum of the interior angles of a pentagon with 5 equal sides	(A)	(B)	(C)	(D)	(E)	VH810892
c. Write an equation with a variable to solve a problem (for example, if pizza costs \$2 per slice, then x number of slices can be bought for \$16)	(A)	(B)	(C)	(D)	(E)	VH810893

5. Thinking about math, do you think that you can do each of the following problems?  
Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Determine the likely number of red faces a cube has if the red face lands up 130 out of 400 times the cube is rolled. The 6 faces of the cube are painted red, yellow, or blue.	(A)	(B)	(C)	(D)	(E)	VH810874
b. Calculate how many cats a pet store has if the ratio of cats to dogs is 5 to 4, and the total number of cats and dogs the store has is 27.	(A)	(B)	(C)	(D)	(E)	VH810876
c. Center a 40 inch wide painting on a five foot wide wall	(A)	(B)	(C)	(D)	(E)	VH810878

6. How much do you enjoy each of the following types of math activities? Select **one** answer choice on each row.

	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	
a. Adding, subtracting, multiplying, and dividing fractions	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810635
b. Solving problems about ratios and rates (for example, if 4 inches of rain fell in 16 hours, how many inches of rain is this per hour)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810636
c. Transforming geometric figures from one set of points to another (for example, rotating a rectangle 90 degrees)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH810638

7. In this school year, how often have you looked online for resources for help with your math assignments?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

8. What math class do you expect to take next year?

- Ⓐ Basic or general math
- Ⓑ Introduction to algebra or pre-algebra
- Ⓒ Algebra I
- Ⓓ Geometry
- Ⓔ Algebra II
- Ⓕ Other math class. Please specify: \_\_\_\_\_
- Ⓖ I don't know.

9. What math class are you taking this year? Select **one or more** answer choices.

- Ⓐ Eighth-grade math
- Ⓑ Introduction to algebra or pre-algebra
- Ⓒ Algebra I
- Ⓓ Geometry
- Ⓔ Algebra II
- Ⓕ Other math class. Please specify:

9. \_\_\_\_\_

10. Write a computer program

	Ⓐ	Ⓑ	VH812434

## **Part II-p: 2018 Pilot Grade 12 Mathematics**

Grade 12 specific items

VH240819

1. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the **most recent** year you took it. **INCLUDE** courses taken in summer school, but **DO NOT INCLUDE** topics that were only taught as part of a longer course (such as trigonometry taught in drafting class or computer programming taught in Algebra II). Select **one** answer choice on each row.

	I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
a. <b>Basic or general</b> mathematics course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240820
b. <b>Tech-prep</b> mathematics, <b>business</b> mathematics, <b>consumer</b> mathematics, or other <b>applied mathematics</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240844
c. <b>Introduction to algebra</b> or <b>pre-algebra</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240822
d. <b>Algebra I</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240823
e. <b>Geometry</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240824
f. <b>Algebra II</b> course, with or without <b>trigonometry</b>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240825
g. <b>Trigonometry</b> (as a separate course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240826
h. <b>Pre-calculus</b> course (also called introductory analysis)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240833
i. <b>Integrated</b> mathematics 1 (first year of a multi-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240841
j. <b>Integrated</b> mathematics 2 (second year of a multi-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240842
k. <b>Integrated</b> mathematics 3 (third year of a multi-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240843

	I have never taken this course.	I took this course in or before Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I took this course in Grade 12.	
l. <b>Integrated mathematics 4</b> (fourth year of a multi-year course)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240821
m. <b>Probability or statistics</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240836
n. <b>Calculus</b> course	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240829
o. <b>Computer programming</b> course (such as C++, Visual Basic, etc.)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240835
p. <b>Other mathematics</b> course (Please specify): _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH240834

VH250444

2. Are you currently enrolled in or have you taken any of the following Advanced Placement (AP<sup>®</sup>) courses? Select **all** that apply.

- A Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus AB.
- B Yes, I am enrolled in or have taken Advanced Placement (AP) Calculus BC.
- C Yes, I am enrolled in or have taken Advanced Placement (AP) Statistics.
- D No, I have not taken any of the courses listed above.

VH240048

3. Are you currently enrolled in or have you taken an International Baccalaureate<sup>®</sup> (IB) mathematics course?

- A Yes
- B No



4. Are you currently enrolled in or have you taken any **online** mathematics courses for **high school or college credit**?

- A Yes
- B No

5. Was there a mathematics course that you would have liked to have taken this school year but did not take?

- A Yes, but my school does not offer the course.
- B Yes, but the course was full.
- C Yes, but I did not have the necessary prerequisites.
- D Yes, but my schedule was full.
- E No, there was no other course that I wanted to take.

6. Please indicate how much you **DISAGREE** or **AGREE** with the following statements. Select **one** answer choice on each row.

	<b>Strongly disagree</b>	<b>Disagree</b>	<b>Agree</b>	<b>Strongly agree</b>	
a. Math is one of my favorite subjects.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240768
b. I take mathematics because it will help me in the future.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240770
c. I take mathematics to meet my high school graduation requirements.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH240767

7. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy doing math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267479
b. I look forward to my math class.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267481
c. I am interested in the things I learn in math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH617324
d. I think making an effort in math is worthwhile.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267485
e. I think math will help me even when I am not in school.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267486
f. I think it is important to do well in math.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH267487
g. I take mathematics because it will help me in the future.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH651872
h. I take mathematics to meet my high school graduation requirements.	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH651874

8. Are you currently taking a mathematics course?

- A Yes  
 B No

## Items previously cleared at Grade 8 and proposed for Grade 12

VH350115

1. For school this year, how often have you been asked to write long answers (several sentences or paragraphs) to questions on tests or assignments that involved math?
  - Ⓐ Never
  - Ⓑ Once
  - Ⓒ Two or three times
  - Ⓓ Four or five times
  - Ⓔ More than five times

VH350116

2. For school this year, how often do you work in pairs or small groups to talk about something that you have done in math?
  - Ⓐ Never
  - Ⓑ About once or twice a year
  - Ⓒ About once or twice a month
  - Ⓓ About once or twice a week
  - Ⓔ Every day or almost every day

3. How often do you use a computer or other digital device (excluding handheld calculators) for math **at school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

4. How often do you receive help or tutoring with math **outside of school or after school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

5. In your math class this year, how often have you used the following types of calculators? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. Basic calculator	(A)	(B)	(C)	(D)	(E)	VH266809
b. Graphing calculator	(A)	(B)	(C)	(D)	(E)	VH266810

6. This school year, how often did the following things happen in your math class? Select **one** answer choice on each row.

	Never or hardly ever	Less than half of the time	About half of the time	More than half of the time	All or almost all of the time	
a. My teacher used computers or other digital devices to show us how to work through math problems.	(A)	(B)	(C)	(D)	(E)	VH267416
b. I used the Internet for my math work.	(A)	(B)	(C)	(D)	(E)	VH267417
c. My teacher used computers or other digital devices when teaching math to my class.	(A)	(B)	(C)	(D)	(E)	VH588077
d. My teacher required us to use computers or other digital devices to complete math assignments.	(A)	(B)	(C)	(D)	(E)	VH267419

7. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to complete your math assignments?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

8. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to look online for resources for help with your math assignments?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

9. In this school year, how often have you used a computer or other digital device (excluding handheld calculators) to take an online practice test?

- Ⓐ Never
- Ⓑ Once
- Ⓒ Two or three times
- Ⓓ Four or five times
- Ⓔ More than five times

10. How often do you use math in everyday life **outside of school**?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

11. How often do you participate in each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Talk about math problems with your friends	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268946
b. Program computers	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268949
c. Play an instrument and read music	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268961
d. Go to websites for help with your math homework	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH268962

12. Have you ever helped your friends with their math homework?

- Ⓐ Yes  
Ⓑ No

13. Over the past seven days, how many days have you helped your friends with their math homework? Enter the number of days.

14. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Estimate the weight of 5 apples using pounds (lbs.)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267674
b. Divide 42 stickers among 6 students	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH617317
c. Determine a 20 percent tip of a 67-dollar restaurant dinner bill	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267679
d. Describe the properties shared by every isosceles right triangle	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267681
e. Find the amount of carpet needed to cover a rectangular floor if you know its length and width	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267682
f. Know when to take a turkey out of the oven if it goes in at 10:00 A.M. and it takes 3 hours and 45 minutes to cook	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH267683

Please note: (1) Some grade 8 items may not be included in the grade 12 pilot if they do not perform well in the 2017 pilot.



15. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at math.	(A)	(B)	(C)	(D)	(E)	VH269049
b. I want to show others that my math schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH269050
c. I want to look smart in comparison to the other students in my math class.	(A)	(B)	(C)	(D)	(E)	VH269053
d. I want to learn as much as possible in my math class.	(A)	(B)	(C)	(D)	(E)	VH269059
e. I want to become better in math this year.	(A)	(B)	(C)	(D)	(E)	VH269056
f. I want to understand as much as I can in my math class.	(A)	(B)	(C)	(D)	(E)	VH269060

16. How much does each of the following statements describe a person like you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy doing math.	(A)	(B)	(C)	(D)	(E)	VH267479
b. I look forward to my math class.	(A)	(B)	(C)	(D)	(E)	VH267481
c. I am interested in the things I learn in math.	(A)	(B)	(C)	(D)	(E)	VH617324
d. I think making an effort in math is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH267485
e. I think math will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH267486
f. I think it is important to do well in math.	(A)	(B)	(C)	(D)	(E)	VH267487

17. How much do you enjoy solving each of the following types of math problems? Select **one** answer choice on each row.

	Enjoy not at all	Enjoy a little bit	Enjoy somewhat	Enjoy quite a bit	Enjoy a lot	
a. Addition, subtraction, multiplication, and division	(A)	(B)	(C)	(D)	(E)	VH267499
b. Finding areas of shapes and figures	(A)	(B)	(C)	(D)	(E)	VH267501
c. Solving for probabilities and events (for example, card, coin, marble, and spinner problems)	(A)	(B)	(C)	(D)	(E)	VH267502
d. Solving equations or simplifying expressions	(A)	(B)	(C)	(D)	(E)	VH267503
e. Constructing and building different types of graphs (for example, bar graph, line graph, or box and whisker plots)	(A)	(B)	(C)	(D)	(E)	VH267504
f. Working with geometric figures like rectangles and squares	(A)	(B)	(C)	(D)	(E)	VH267505

18. How often do you play digital games (for example, apps, video games, or computer games) **outside of school** that involve math?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

19. How often do you use a computer, tablet, smartphone, or gaming console **outside of school** to play **educational games** that involve math?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

20. How often do you use a computer, tablet, smartphone, or gaming console **outside of school** to play **popular games** that involve math?

- Ⓐ Never
- Ⓑ About once or twice a year
- Ⓒ About once or twice a month
- Ⓓ About once or twice a week
- Ⓔ Every day or almost every day

21. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Create a bar graph to represent the number of desks, chairs, and tables in your classroom	(A)	(B)	(C)	(D)	(E)	VH460348
b. Use a box plot to represent the height, in inches, of all of the students in your class	(A)	(B)	(C)	(D)	(E)	VH460355
c. Determine the probability of picking a blue marble without looking if you know the number of marbles of each color in a bag	(A)	(B)	(C)	(D)	(E)	VH460381
d. List all of the different possible outcomes when a coin is flipped three times	(A)	(B)	(C)	(D)	(E)	VH460382

22. Thinking about math, do you think that you would be able to do each of the following? Do not actually solve the problems. Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Create an expression that represents the average number of miles you run in a week if you run 100 miles in $w$ weeks	(A)	(B)	(C)	(D)	(E)	VH460383
b. Create an expression to show how old you will be in $n$ years if you are 8 years old today	(A)	(B)	(C)	(D)	(E)	VH460386
c. Create an expression that shows the number of wheels on $n$ wagons if each wagon has 4 wheels	(A)	(B)	(C)	(D)	(E)	VH460389
d. Explain how you know the number of books you can buy if you know the price of each book and you have \$35	(A)	(B)	(C)	(D)	(E)	VH460391

23. Thinking about math, do you think that you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Decide if your classmate's math work is correct	(A)	(B)	(C)	(D)	(E)	VH460398
b. Give an example to show that a math statement is false	(A)	(B)	(C)	(D)	(E)	VH460399
c. Explain to your classmate how you solved a math problem	(A)	(B)	(C)	(D)	(E)	VH460910
d. Use correct mathematical words and symbols to communicate ideas about math	(A)	(B)	(C)	(D)	(E)	VH460900
e. Use correct mathematical words and symbols when showing your work	(A)	(B)	(C)	(D)	(E)	VH460902
f. Use definitions of geometric shapes to support an argument	(A)	(B)	(C)	(D)	(E)	VH460912

24. Have you ever participated in a math study group **outside of school**?

- Ⓐ Yes
- Ⓑ No

25. Over the past seven days, how many days have you participated in a math study group **outside of school**? Enter the number of days.

26. Have you ever participated in a math study group **at school**?

- Ⓐ Yes
- Ⓑ No

27. Over the past seven days, how many days have you participated in a math study group **at school**? Enter the number of days.



**Part II-q: 2018 Pilot Grade 4 Science**

1. In your science class this year, how often have you learned about living things (for example, plants, animals, or bacteria)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

2. In your science class this year, how often have you learned about electricity (for example, circuits, batteries, or light bulbs)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

3. In your science class this year, how often have you learned about chemicals (for example, vinegar, baking soda, or hydrogen peroxide)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Very often

4. In your science class this year, how often have you learned about rocks or minerals (for example, diamond, iron, or lava rock)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

5. In your science class this year, how often have you done science activities using scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

6. In your science class this year, how often have you read from a science textbook (print or digital)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

7. In your science class this year, how often have you learned about science topics on the Internet?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

8. In your science class this year, how often have you watched a short video clip, movie, or video about science topics?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

9. In your science class this year, how often have you been asked to write about science topics (for example, a science journal, lab report, or essay)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

10. In this school year, how often have you understood what the teacher talks about in science class?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

11. In this school year, how often have you done well on your science tests?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

12. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

13. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Describe different ways to heat or cool water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Describe how the length of a vibrating string affects the sound it makes	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use examples to show how one living thing has helped another to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	(A)	(B)	(C)	(D)	(E)	VH638876
f. Decide which tool to use if you want to measure wind speed	(A)	(B)	(C)	(D)	(E)	VH638883
g. Describe why the weather in the summer is different than in the winter	(A)	(B)	(C)	(D)	(E)	VH638885

14. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at science.	(A)	(B)	(C)	(D)	(E)	VH639080
b. I want to show others that science schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH639082
c. I want to look smart in comparison to the other students in my science class.	(A)	(B)	(C)	(D)	(E)	VH639084
d. I want to get better science grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH732329
e. I want to learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
f. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
g. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089
h. I want to master a lot of new science skills in my class.	(A)	(B)	(C)	(D)	(E)	VH732330

15. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638970
b. Write or blog about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638983
c. Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638985
d. Read about science topics in books or magazines (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638987
e. Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638991



16. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy science activities.	(A)	(B)	(C)	(D)	(E)	VH639117
b. I look forward to my science class.	(A)	(B)	(C)	(D)	(E)	VH639120
c. I am interested in the things I learn in science class.	(A)	(B)	(C)	(D)	(E)	VH639122
d. I think making an effort in science class is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH639125
e. I think science will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH639127
f. I think it is important to do well on science assignments.	(A)	(B)	(C)	(D)	(E)	VH639128

17. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Made a drawing that explains why or how something happens	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639156
b. Used a science experiment to answer a question	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639162
c. Put information you collected into a table or graph	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639164
d. Used evidence to explain why something happens	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639166
e. Found news articles about science on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH639169

18. How often do you talk about things you have learned in science class with someone in your family?

- A Never or hardly ever
- B Once in a while
- C Sometimes
- D Often
- E Very often

## **Part II-r: 2018 Pilot Grade 8 Science**

1. In this school year, how often have you understood what the teacher talks about in science class?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

2. In this school year, how often have you done well on your science tests?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

3. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Always or almost always

4. In your science class this year, how often have you done hands-on activities or projects on any of the following topics? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Very often	
a. Living things (for example, plants, animals, or bacteria)	(A)	(B)	(C)	(D)	(E)	VH639072
b. Electricity (for example, circuits, batteries, or light bulbs)	(A)	(B)	(C)	(D)	(E)	VH639074
c. Chemicals (for example, vinegar, baking soda, or hydrogen peroxide)	(A)	(B)	(C)	(D)	(E)	VH639073
d. Rocks or minerals (for example, diamond, iron, or lava rock)	(A)	(B)	(C)	(D)	(E)	VH639077
e. Technology and engineering (for example, robots, pulley systems, or ramps)	(A)	(B)	(C)	(D)	(E)	VH639076

5. In your science class this year, how often have you done each of the following activities? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Read from a science textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine (print or digital) about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Used the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watched a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312
e. Used a magnifying glass or microscope for looking at small things	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639075
f. Used a thermometer or weighing scale for making measurements	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639078

6. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

	<b>I definitely can't</b>	<b>I probably can't</b>	<b>Maybe</b>	<b>I probably can</b>	<b>I definitely can</b>	
a. Describe different ways to heat or cool water	(A)	(B)	(C)	(D)	(E)	VH638868
b. Describe how the length of a vibrating string affects the sound it makes	(A)	(B)	(C)	(D)	(E)	VH638870
c. Design an experiment to show how sunlight affects the growth of a plant	(A)	(B)	(C)	(D)	(E)	VH638872
d. Use examples to show how one living thing has helped another to survive	(A)	(B)	(C)	(D)	(E)	VH638875
e. Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	(A)	(B)	(C)	(D)	(E)	VH638876
f. Decide which tool to use if you want to measure wind speed	(A)	(B)	(C)	(D)	(E)	VH638883
g. Describe why the weather in the summer is different than in the winter	(A)	(B)	(C)	(D)	(E)	VH638885

7. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at science.	(A)	(B)	(C)	(D)	(E)	VH639080
b. I want to show others that science schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH639082
c. I want to look smart in comparison to the other students in my science class.	(A)	(B)	(C)	(D)	(E)	VH639084
d. I want to get better science grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH732329
e. I want to learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
f. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
g. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089
h. I want to master a lot of new science skills in my class.	(A)	(B)	(C)	(D)	(E)	VH732330



8. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638970
b. Write or blog about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638983
c. Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638985
d. Read about science topics in books or magazines (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638987
e. Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH638991

9. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy science activities.	(A)	(B)	(C)	(D)	(E)	VH639117
b. I look forward to my science class.	(A)	(B)	(C)	(D)	(E)	VH639120
c. I am interested in the things I learn in science class.	(A)	(B)	(C)	(D)	(E)	VH639122
d. I think making an effort in science class is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH639125
e. I think science will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH639127
f. I think it is important to do well on science assignments.	(A)	(B)	(C)	(D)	(E)	VH639128

10. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Came up with research questions to explore how something works	(A)	(B)	(C)	(D)	(E)	VH639744
b. Made drawings that explain why or how something happens	(A)	(B)	(C)	(D)	(E)	VH639749
c. Came up with experiments that you could use to answer a research question	(A)	(B)	(C)	(D)	(E)	VH639753
d. Used tables or graphs to identify relationships between variables	(A)	(B)	(C)	(D)	(E)	VH639760
e. Used math equations to explain or support scientific conclusions	(A)	(B)	(C)	(D)	(E)	VH639763
f. Used evidence from experiments to explain why something happens	(A)	(B)	(C)	(D)	(E)	VH639765
g. Used information to disagree with someone about a scientific idea	(A)	(B)	(C)	(D)	(E)	VH639770
h. Combined information about science from multiple sources (for example, books, websites, or articles) for an assignment	(A)	(B)	(C)	(D)	(E)	VH639777

11. How often do you talk about things you have learned in science class with someone in your family?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

## **Part II-s: 2018 Pilot Grade 12 Science**

1. In this school year, how often have you understood what the teacher talks about in science class?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

2. In this school year, how often have you done well on your science tests?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

3. In this school year, how often have you done well on your science assignments (for example, projects, homework, or worksheets)?

- Ⓐ Never or hardly ever
- Ⓑ Once in a while
- Ⓒ Sometimes
- Ⓓ Often
- Ⓔ Always or almost always

4. In your science class this year, how often have you done hands-on activities or projects on any of the following topics? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Very often	
a. Living things (for example, plants, animals, or bacteria)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639072
b. Electricity (for example, circuits, batteries, or light bulbs)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639074
c. Chemicals (for example, vinegar, baking soda, or hydrogen peroxide)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639073
d. Rocks or minerals (for example, diamond, iron, or lava rock)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639077
e. Technology and engineering (for example, robots, pulley systems, or ramps)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639076

5. In your science class this year, how often have you done each of the following activities? Select **one** answer choice on each row.

	<b>Never or hardly ever</b>	<b>Once in a while</b>	<b>Sometimes</b>	<b>Often</b>	<b>Always or almost always</b>	
a. Read from a science textbook (print or digital)	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639313
b. Read a book or magazine (print or digital) about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639315
c. Used the Internet to learn about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639314
d. Watched a short video clip, movie, or video about science topics	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639312
e. Used a magnifying glass or microscope for looking at small things	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639075
f. Used a thermometer or weighing scale for making measurements	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH639078



6. Which courses have you taken from eighth grade to the present? If you have taken a course more than once, give the most recent year you took it. Select **one** answer choice on each row. INCLUDE courses taken in summer school, but DO NOT INCLUDE topics that were only taught as part of a longer course.

	I did not take this course.	I took this course in Grade 8.	I took this course in Grade 9.	I took this course in Grade 10.	I took this course in Grade 11.	I am taking or have taken this course in Grade 12.	
a. General science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241150
b. First-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241151
c. Second-year biology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241159
d. Life science (other than biology)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241148
e. First-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241154
f. Second-year chemistry	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241155
g. First-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241156
h. Second-year physics	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241157
i. Physical science (other than chemistry or physics)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241149
j. Earth and space science	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241147
k. Engineering and technology	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241158
l. Other science course (Please specify): _____	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	<input type="radio"/> F	VH241153

7. Are you currently enrolled in or have you taken any online science courses for high school or college credit?

- A Yes  
 B No

8. Are you currently enrolled in or have you taken an Advanced Placement<sup>®</sup> course in science? Select **all** that apply.
- Ⓐ Yes, I am enrolled in or have taken Advanced Placement Biology.
  - Ⓑ Yes, I am enrolled in or have taken Advanced Placement Environmental Science.
  - Ⓒ Yes, I am enrolled in or have taken Advanced Placement Chemistry.
  - Ⓓ Yes, I am enrolled in or have taken Advanced Placement Physics C.
  - Ⓔ Yes, I am enrolled in or have taken Advanced Placement Physics 1.
  - Ⓕ Yes, I am enrolled in or have taken Advanced Placement Physics 2.
  - Ⓖ Yes, I am enrolled in or have taken Advanced Placement Computer Science A.
  - Ⓗ Yes, I am enrolled in or have taken Advanced Placement Computer Science Principles.
  - Ⓘ No, I have never taken an Advanced Placement science course.

9. Are you currently taking a science course?
- Ⓐ Yes
  - Ⓑ No

10. Thinking about science, do you think that you would be able to do each of the following activities? Select **one** answer choice on each row.

	I definitely can't	I probably can't	Maybe	I probably can	I definitely can	
a. Describe different ways to heat or cool water	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638868
b. Describe how the length of a vibrating string affects the sound it makes	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638870
c. Design an experiment to show how sunlight affects the growth of a plant	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638872
d. Use examples to show how one living thing has helped another to survive	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638875
e. Describe what would happen to the number of frogs at a pond if all the insects were removed from the pond	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638876
f. Decide which tool to use if you want to measure wind speed	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638883
g. Describe why the weather in the summer is different than in the winter	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638885
h. Design an experiment to test how the growth of a plant is affected by light, water, and soil quality	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638877
i. Create a diagram that shows how bees and plants need each other for survival	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638878
j. Describe how the combination of parental genes can result in different traits in their offspring (for example, eye or hair color)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH638879

11. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I want other students to think I am good at science.	(A)	(B)	(C)	(D)	(E)	VH639080
b. I want to show others that science schoolwork is easy for me.	(A)	(B)	(C)	(D)	(E)	VH639082
c. I want to look smart in comparison to the other students in my science class.	(A)	(B)	(C)	(D)	(E)	VH639084
d. I want to get better science grades than most other students in my class.	(A)	(B)	(C)	(D)	(E)	VH732329
e. I want to learn as much as possible in my science class.	(A)	(B)	(C)	(D)	(E)	VH639086
f. I want to become better in science this year.	(A)	(B)	(C)	(D)	(E)	VH639087
g. I want to understand as much as I can in my science class.	(A)	(B)	(C)	(D)	(E)	VH639089
h. I want to master a lot of new science skills in my class.	(A)	(B)	(C)	(D)	(E)	VH732330

12. In this school year, how often have you done each of the following activities **outside of school**? Select **one** answer choice on each row.

	Never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day	
a. Work on science-related projects (for example, making a volcano, growing plants from seeds, or building simple rockets)	(A)	(B)	(C)	(D)	(E)	VH638970
b. Write or blog about science topics	(A)	(B)	(C)	(D)	(E)	VH638983
c. Use scientific tools (for example, microscopes, thermometers, beakers, or weighing scales)	(A)	(B)	(C)	(D)	(E)	VH638985
d. Read about science topics in books or magazines (print or digital)	(A)	(B)	(C)	(D)	(E)	VH638987
e. Attend clubs or programs that include science or engineering activities (for example, chemistry club, robotics club, or coding programs)	(A)	(B)	(C)	(D)	(E)	VH638991

13. How much does each of the following statements describe you? Select **one** answer choice on each row.

	Not at all like me	A little bit like me	Somewhat like me	Quite a bit like me	Exactly like me	
a. I enjoy science activities.	(A)	(B)	(C)	(D)	(E)	VH639117
b. I look forward to my science class.	(A)	(B)	(C)	(D)	(E)	VH639120
c. I am interested in the things I learn in science class.	(A)	(B)	(C)	(D)	(E)	VH639122
d. I think making an effort in science class is worthwhile.	(A)	(B)	(C)	(D)	(E)	VH639125
e. I think science will help me even when I am not in school.	(A)	(B)	(C)	(D)	(E)	VH639127
f. I think it is important to do well on science assignments.	(A)	(B)	(C)	(D)	(E)	VH639128

14. In this school year, how often have you done the following activities in your science class? Select **one** answer choice on each row.

	Never or hardly ever	Once in a while	Sometimes	Often	Always or almost always	
a. Came up with research questions to explore how something works	(A)	(B)	(C)	(D)	(E)	VH639744
b. Made drawings that explain why or how something happens	(A)	(B)	(C)	(D)	(E)	VH639749
c. Came up with experiments that you could use to answer a research question	(A)	(B)	(C)	(D)	(E)	VH639753
d. Used tables or graphs to identify relationships between variables	(A)	(B)	(C)	(D)	(E)	VH639760
e. Used math equations to explain or support scientific conclusions	(A)	(B)	(C)	(D)	(E)	VH639763
f. Used evidence from experiments to explain why something happens	(A)	(B)	(C)	(D)	(E)	VH639765
g. Used information to disagree with someone about a scientific idea	(A)	(B)	(C)	(D)	(E)	VH639770
h. Combined information about science from multiple sources (for example, books, websites, or articles) for an assignment	(A)	(B)	(C)	(D)	(E)	VH639777

15. How likely are you to pursue a career in science?

- Ⓐ Not at all likely
- Ⓑ Not likely
- Ⓒ Somewhat likely
- Ⓓ Quite likely
- Ⓔ Extremely likely

16. In this school year, have you done any of the following activities to prepare for a career in science? Select **one** answer choice on each row.

	Yes	No	
a. Attended a career fair	Ⓐ	Ⓑ	VH640739
b. Answered questions on a career interest survey (for example, the Vocational-Interest Inventory, the Career Interest Test, or the Strong Interest Inventory <sup>®</sup> )	Ⓐ	Ⓑ	VH640746
c. Taken a science course in addition to what you need to graduate	Ⓐ	Ⓑ	VH640748
d. Collected information about science-related careers on your own	Ⓐ	Ⓑ	VH640749
e. Collected information about science-related college programs on your own	Ⓐ	Ⓑ	VH640750
f. Spoken with a guidance counselor or teacher about science-related careers	Ⓐ	Ⓑ	VH640754
g. Spoken with a guidance counselor or teacher about science-related college programs	Ⓐ	Ⓑ	VH640757
h. Spoken with a family member or family friend who works in a scientific field about his or her job	Ⓐ	Ⓑ	VH640758
i. Shadowed a person who does science-related work at his or her job	Ⓐ	Ⓑ	VH640771
j. Worked as an intern or employee doing science-related work	Ⓐ	Ⓑ	VH640773
k. Other (Please specify): _____	Ⓐ	Ⓑ	VH640776



17. How often do you talk about things you have learned in science class with someone in your family?
- Ⓐ Never or hardly ever
  - Ⓑ Once in a while
  - Ⓒ Sometimes
  - Ⓓ Often
  - Ⓔ Very often

## **Part II-t: 2015 Operational Grade 4 NIES**

**National Indian Education Study**  
**Grade 4 Student Questionnaire**

Some of the questions are about your American Indian or Alaska Native background. When you answer these questions, think about the American Indian tribe or Alaska Native group to which you and your family belong. You may call your tribe or group a nation, a village, a band, or a community.

If you are connected to more than one American Indian tribe or Alaska Native group, answer for the one you know best.

VC759180

1. How much do you know about your American Indian tribe or Alaska Native group? For example, you may know about the history, traditions, or arts and crafts of your tribe or group.

- Ⓐ Nothing
- Ⓑ A little
- Ⓒ Some
- Ⓓ A lot

VH039733

2. Who taught you **most** of what you know about American Indian or Alaska Native history?

- Ⓐ No one has taught me about American Indian or Alaska Native history.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VH039760

3. Who taught you **most** of what you know about American Indian or Alaska Native traditions (ways of life, customs)?

- Ⓐ No one has taught me about American Indian or Alaska Native traditions.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VH040030

4. Who taught you **most** of what you know about American Indian or Alaska Native arts and crafts?

- Ⓐ No one has taught me about American Indian or Alaska Native arts and crafts.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VC759183

5. How often do you go to American Indian or Alaska Native ceremonies and gatherings?

- Ⓐ Never
- Ⓑ Every few years
- Ⓒ At least once a year
- Ⓓ Several times a year

VC759193

6. How often do members of your family talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VC759195

7. How often do people in your school talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VH153907

8. How often do you attend classes **in school** that are taught in an American Indian or Alaska Native language?

- Ⓐ My school does not offer classes that are taught in an American Indian or Alaska Native language.
- Ⓑ Never or hardly ever
- Ⓒ Once or twice a month
- Ⓓ Once or twice a week
- Ⓔ Every day or almost every day

VH040050

9. How do you rate yourself in speaking an American Indian or Alaska Native language?

- Ⓐ I cannot speak an American Indian or Alaska Native language.
- Ⓑ I can speak a few words or phrases.
- Ⓒ I can speak well.

VH040067

10. How do you rate yourself in reading an American Indian or Alaska Native language?

- Ⓐ I cannot read in an American Indian or Alaska Native language.
- Ⓑ I can read a few words or phrases.
- Ⓒ I can read well.

VH040082

11. Who taught you **most** of what you know about an American Indian or Alaska Native language?

- Ⓐ No one has taught me about an American Indian or Alaska Native language.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

Section 1

VH158483

12. During 4th grade, have you attended school field trips to museums, traditional villages, or other places to learn about American Indian or Alaska Native people?

- Ⓐ Yes
- Ⓑ No

VH153935

13. During 4th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **in school**?

- Ⓐ Yes, once or twice
- Ⓑ Yes, three or more times
- Ⓒ No

VH153940

14. During 4th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **outside of school**?

- Ⓐ Yes, once or twice
- Ⓑ Yes, three or more times
- Ⓒ No

VH153945

15. **In school**, do you have access to a **library, media center, or resource center** with books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people?

- Ⓐ Yes
- Ⓑ No

VH040212

16. When my teacher talks about American Indian or Alaska Native history or culture, I try to read more about it.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VC759280

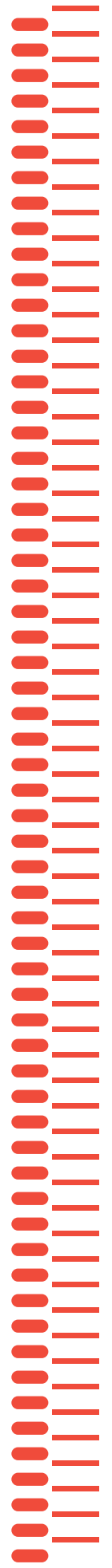
17. I enjoy reading about American Indian or Alaska Native people.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VC759283

18. I enjoy reading about people who have different traditions and cultures (ways of life, customs) than I have.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.



VH040240

19. I put a lot of effort into my schoolwork.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040276

20. I want to be one of the best students in my class.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040379

21. I enjoy being challenged in my classes.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040382

22. I feel that I belong at school.

- Ⓐ This is not like me.
- Ⓑ This is a little like me.
- Ⓒ This is a lot like me.

VH040391

23. If I put in enough effort, I will succeed in school.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Agree
- Ⓓ Strongly agree

VH040394

24. Trying hard in school will help me live a good life when I grow up.

- Ⓐ Strongly disagree
- Ⓑ Disagree
- Ⓒ Agree
- Ⓓ Strongly agree

VC759288

25. How often does **a parent or someone else from your family** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VC759289

VH040389

26. How often does **a teacher or another adult from your school** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

28. How often do **you** help other students from your school with their schoolwork? For example, you might help other students to study for a test, help them with a school project, or go over their homework with them.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VC759290

VC759293

27. How often does **another student from your school** help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

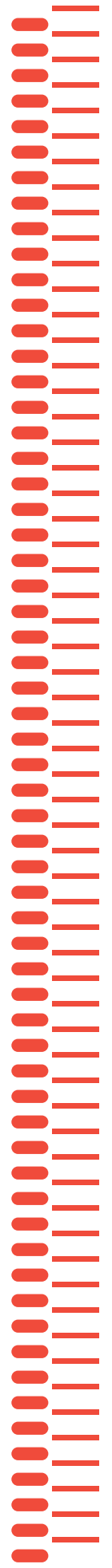
29. How much do you like school?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ Somewhat
- Ⓓ Very much

VC759294

30. Do you know the name of the American Indian tribe or Alaska Native group you belong to or are enrolled in?

- Ⓐ Yes
- Ⓑ No
- Ⓒ I'm not sure.





VC759295

31. If you know the name of the American Indian tribe or Alaska Native group that you belong to or are enrolled in, or if you think you know it, please print it on the line below. Do not worry about spelling. If you belong to more than one American Indian tribe or Alaska Native group, write the names of as many as you know.

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VC759297

32. What else would you like to say about yourself, your school, or about American Indian or Alaska Native people? Use these lines to write your ideas.

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**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**



## **Part II-u: 2018 Operational Grade 8 NIES**

**National Indian Education Study**  
**Grade 8 Student Questionnaire**

Some of the questions are about your American Indian or Alaska Native background. When you answer these questions, think about the American Indian tribe or Alaska Native group to which you and your family belong. You may call your tribe or group a nation, a village, a band, or a community.

If you are connected to more than one American Indian tribe or Alaska Native group, answer for the one you know best.

1. How much do you know about each of the following? Fill in **one** oval on each line.

VC996578

	Nothing	A little	Some	A lot	
a. Your American Indian or Alaska Native history	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996581
b. Your American Indian or Alaska Native traditions and culture (way of life, customs)	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996582
c. Issues today that are important to American Indian or Alaska Native people	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VC996583

2. Who taught you **most** of what you know about American Indian or Alaska Native history?

VH039733

- A No one has taught me about American Indian or Alaska Native history.
- B Family members
- C Friends
- D Teachers
- E Tribal representatives or elders
- F Someone else (please specify): \_\_\_\_\_

Section 1

VH039760

3. Who taught you **most** of what you know about American Indian or Alaska Native traditions (ways of life, customs)?

- Ⓐ No one has taught me about American Indian or Alaska Native traditions.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VH039931

4. Who taught you **most** of what you know about issues today that are important to American Indian or Alaska Native people?

- Ⓐ No one has taught me about issues today that are important to American Indian or Alaska Native people.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_



VC996584

5. How often have you participated in each of the following? Fill in **one** oval on each line.

- |  | Never | Every<br>few<br>years | At least<br>once<br>a year | Several<br>times a<br>year |          |
|--|-------|-----------------------|----------------------------|----------------------------|----------|
| a. Ceremonies and gatherings for people from your American Indian tribe or Alaska Native group                             | Ⓐ     | Ⓑ                     | Ⓒ                          | Ⓓ                          | VC996586 |
| b. Ceremonies and gatherings that bring people together from many different American Indian tribes or Alaska Native groups | Ⓐ     | Ⓑ                     | Ⓒ                          | Ⓓ                          | VC996587 |
| c. Other American Indian or Alaska Native activities   | Ⓐ     | Ⓑ                     | Ⓒ                          | Ⓓ                          | VC996589 |

VC759193

6. How often do members of your family talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VC759195

7. How often do people in your school talk to each other in your American Indian or Alaska Native language?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VH153907

8. How often do you attend classes **in school** that are taught in an American Indian or Alaska Native language?

- Ⓐ My school does not offer classes that are taught in an American Indian or Alaska Native language.
- Ⓑ Never or hardly ever
- Ⓒ Once or twice a month
- Ⓓ Once or twice a week
- Ⓔ Every day or almost every day

VH040050

9. How do you rate yourself in speaking an American Indian or Alaska Native language?

- Ⓐ I cannot speak an American Indian or Alaska Native language.
- Ⓑ I can speak a few words or phrases.
- Ⓒ I can speak well.

VH040067

10. How do you rate yourself in reading an American Indian or Alaska Native language?

- Ⓐ I cannot read in an American Indian or Alaska Native language.
- Ⓑ I can read a few words or phrases.
- Ⓒ I can read well.

VH040082

11. Who taught you **most** of what you know about an American Indian or Alaska Native language?

- Ⓐ No one has taught me about an American Indian or Alaska Native language.
- Ⓑ Family members
- Ⓒ Friends
- Ⓓ Teachers
- Ⓔ Tribal representatives or elders
- Ⓕ Someone else (please specify): \_\_\_\_\_

VC996590

12. During 8th grade, how often have any of your teachers talked to your class about the history, traditions, and cultures (ways of life, customs) of American Indian or Alaska Native people?

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VH158490

13. During 8th grade, have you attended any of the following activities **organized by your school**? Fill in **one** oval on each line.

- |   | Yes                     | No                      |          |
|---|-------------------------|-------------------------|----------|
| a. Presentations by American Indian or Alaska Native people about their traditions and cultures (ways of life, customs) | <input type="radio"/> A | <input type="radio"/> B | VH158491 |
| b. American Indian or Alaska Native art and craft demonstrations  | <input type="radio"/> A | <input type="radio"/> B | VH158492 |
| c. Traditional American Indian or Alaska Native music and/or dance performances   | <input type="radio"/> A | <input type="radio"/> B | VH158493 |
| d. Field trips to museums, traditional villages, or other places to learn about American Indian or Alaska Native people | <input type="radio"/> A | <input type="radio"/> B | VH158494 |

VH040140

14. During 8th grade, have you participated in any of the following activities **organized by your school**? Fill in **one** oval on each line.

- |  | Yes                     | No                      |          |
|--|-------------------------|-------------------------|----------|
| a. Sports team   | <input type="radio"/> A | <input type="radio"/> B | VH040143 |
| b. Music club, orchestra, or band  | <input type="radio"/> A | <input type="radio"/> B | VH040147 |
| c. Cultural dances or other American Indian or Alaska Native activities (for example, drum groups) | <input type="radio"/> A | <input type="radio"/> B | VH040150 |
| d. Academic club (for example, math club)  | <input type="radio"/> A | <input type="radio"/> B | VH040152 |





VH159106

15. During 8th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **in school**?

- A Yes, once or twice
- B Yes, three or more times
- C No

VH159110

16. During 8th grade, have you used books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people **outside of school**?

- A Yes, once or twice
- B Yes, three or more times
- C No

VH153945

17. **In school**, do you have access to a **library, media center, or resource center** with books, videos, or other materials (including Internet resources) about American Indian or Alaska Native people?

- A Yes
- B No

VC996624

18. Here are some sentences about reading. Fill in **one** oval on each line to show whether the sentence describes a person like you.

- |  | This is<br>not like<br>me. | This is a<br>little like<br>me. | This is a<br>lot like<br>me. |          |
|--|----------------------------|---------------------------------|------------------------------|----------|
| a. When my teacher talks about American Indian or Alaska Native history or culture, I try to read more about it. | <input type="radio"/> A    | <input type="radio"/> B         | <input type="radio"/> C      | VH043704 |
| b. I enjoy reading about American Indian or Alaska Native people.  | <input type="radio"/> A    | <input type="radio"/> B         | <input type="radio"/> C      | VC996627 |
| c. I enjoy reading about people who have different traditions and cultures (ways of life, customs) than I have.  | <input type="radio"/> A    | <input type="radio"/> B         | <input type="radio"/> C      | VC996628 |

Section 1

VH040130

19. Here are some sentences about your school. Fill in **one** oval on each line to show whether the sentence describes a person like you.

- |   | This is<br>not like<br>me. | This is a<br>little like<br>me. | This is a<br>lot like<br>me. |          |
|---|----------------------------|---------------------------------|------------------------------|----------|
| a. I put a lot of effort into my schoolwork.          | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040131 |
| b. I want to be one of the best students in my class. | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040134 |
| c. I enjoy being challenged in my classes.            | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040137 |
| d. I feel that I belong at school.                    | Ⓐ                          | Ⓑ                               | Ⓒ                            | VH040138 |

VH040157

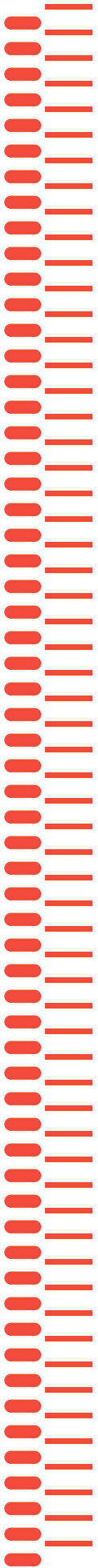
20. How much do you agree with each of the following statements? Fill in **one** oval on each line.

- |  | Strongly<br>disagree | Disagree | Agree | Strongly<br>agree |          |
|--|----------------------|----------|-------|-------------------|----------|
| a. If I put in enough effort, I will succeed in school.          | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040158 |
| b. If I put in enough effort in school, I will get into college. | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040160 |
| c. If I put in enough effort in school, I will get a good job.   | Ⓐ                    | Ⓑ        | Ⓒ     | Ⓓ                 | VH040161 |

VC759293

21. How much do you like school?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ Somewhat
- Ⓓ Very much



VC996661

22. How much are the things you are learning in school preparing you for the life you want to lead?

- Ⓐ Not at all
- Ⓑ A little
- Ⓒ A fair amount
- Ⓓ Very much

VC996641

23. During 8th grade, how often have you talked with any of your teachers outside of regular class periods? For example, to get extra help with your assignments, to talk about issues that matter to you, or just to visit.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

VH040389

24. How often do **you** help other students from your school with their schoolwork? For example, you might help other students to study for a test, help them with a school project, or go over their homework with them.

- Ⓐ Never or hardly ever
- Ⓑ Once or twice a month
- Ⓒ Once or twice a week
- Ⓓ Every day or almost every day

Section 1

VC996635

25. How often do any of the following people help you with your schoolwork? For example, they might help you to study for a test, help you with a school project, or go over your homework with you. Fill in **one** oval on each line.

	Never or hardly ever	Once or twice a month	Once or twice a week	Every day or almost every day	
a. A parent or someone else from my family	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996636
b. A teacher or another adult from my school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996637
c. Another student	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996639
d. A tribal representative or elder	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH018268

VC996644

26. During 8th grade, how many times have you talked to each of the following people about the classes you should take in high school or about what you want to do after high school? Fill in **one** oval on each line.

	Never	One time	Two or three times	Four or more times	
a. A family member	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996645
b. A teacher	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996646
c. A school counselor	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996647
d. Another student	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VC996648
e. A tribal representative or elder	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH026209
f. Someone else who lives in my community or is a friend of my family	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH026211



VC996650

27. Which of the following would you plan to do in your first year after high school? Fill in **as many ovals as apply**.

- |  |     |          |
|--|-----|----------|
| a. Go to college full time   | (A) | VC996651 |
| b. Go to college part time   | (B) | VC996652 |
| c. Go to another school (for example, career training, technical, or trade/vocational) full time | (C) | VC996653 |
| d. Go to another school (for example, career training, technical, or trade/vocational) part time | (D) | VC996654 |
| e. Join the military   | (E) | VC996655 |
| f. Work full time  | (F) | VC996656 |
| g. Work part time  | (G) | VC996657 |
| h. Travel  | (H) | VC996658 |
| i. Care for family   | (I) | VC996659 |
| j. I don't know.   | (J) | VC996660 |

VH040216

28. To what extent is each of the following a problem in your school? Fill in **one** oval on each line.

- |                                      | Not at all | Small extent | Moderate extent | Large extent |          |
|--------------------------------------|------------|--------------|-----------------|--------------|----------|
| a. Student tardiness                 | (A)        | (B)          | (C)             | (D)          | VH040217 |
| b. Student health problems           | (A)        | (B)          | (C)             | (D)          | VH040219 |
| c. Student misbehavior in class      | (A)        | (B)          | (C)             | (D)          | VH040221 |
| d. Physical conflicts among students | (A)        | (B)          | (C)             | (D)          | VH040223 |
| e. Bullying                          | (A)        | (B)          | (C)             | (D)          | VH040226 |
| f. Low student motivation            | (A)        | (B)          | (C)             | (D)          | VH040227 |

Section 1

VC759294

29. Do you know the name of the American Indian tribe or Alaska Native group you belong to or are enrolled in?

- A Yes
- B No
- C I'm not sure.

VC759295

30. If you know the name of the American Indian tribe or Alaska Native group that you belong to or are enrolled in, or if you think you know it, please print it on the line below. Do not worry about spelling. If you belong to more than one American Indian tribe or Alaska Native group, write the names of as many as you know.

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VC759297

31. What else would you like to say about yourself, your school, or about American Indian or Alaska Native people? Use these lines to write your ideas.

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**THANK YOU FOR YOUR HELP. YOUR IDEAS ARE IMPORTANT.**



## **Part II-v: 2017 Operational Grade 4 CAFS**

1. At home, do you have any of the following? Select **one** answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270142
c. A <b>tablet</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270139
d. A <b>tablet</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	<input type="radio"/> A	<input type="radio"/> B	VH270143
f. A <b>smartphone</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270144

2. When did you first use a **laptop or desktop computer**?

- A I have never used one.
- B Before I was in kindergarten
- C When I was in kindergarten
- D When I was in first, second, or third grade
- E When I was in fourth grade

3. When did you first use a **tablet**?

- A Never until this assessment
- B Before I was in kindergarten
- C When I was in kindergarten
- D When I was in first, second, or third grade
- E When I was in fourth grade



4. When did you first use a **smartphone**?
- Ⓐ I have never used one.
  - Ⓑ Before I was in kindergarten
  - Ⓒ When I was in kindergarten
  - Ⓓ When I was in first, second, or third grade
  - Ⓔ When I was in fourth grade

5. On a **weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?
- Ⓐ None
  - Ⓑ Less than an hour
  - Ⓒ 1 to 2 hours
  - Ⓓ 2 to 3 hours
  - Ⓔ 3 to 4 hours
  - Ⓕ More than 4 hours

6. On a **weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?
- Ⓐ None
  - Ⓑ Less than an hour
  - Ⓒ 1 to 2 hours
  - Ⓓ 2 to 3 hours
  - Ⓔ 3 to 4 hours
  - Ⓕ More than 4 hours

7. Were you taught any of the following **at school**? Select **one** answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<input type="radio"/> A	<input type="radio"/> B	VH270150
b. How to write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270151
c. How to edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270164
d. How to search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270152
e. How to use a tablet	<input type="radio"/> A	<input type="radio"/> B	VH270156
f. How to look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270157

8. Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row.

	Yes	No	
a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270166
b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270167
c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270170
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH270169
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH270168

9. Has your school assigned you a **laptop or desktop computer** that only you can use?

- A No
- B Yes, but I cannot take it home with me.
- C Yes, and I can take it home with me (laptop only).

10. Has your school assigned you a **tablet** that only you can use?

- Ⓐ No
- Ⓑ Yes, but I cannot take it home with me.
- Ⓒ Yes, and I can take it home with me.

11. **This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270172
b. Write a paper for school that was longer than a page	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270173
c. Search the Internet for a school project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270174
d. Practice things in <b>mathematics</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270181
e. Practice things in <b>reading</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270177
f. Take a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH270175

12. This school year, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH270183
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH270188
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH270184
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270185
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270186
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH270192

13. Which best describes the way you type on a computer keyboard?

- (A) I don't know how to type using a computer keyboard.
- (B) I can type with one or two fingers, but I have to search for where the letter keys are.
- (C) I can type with one or two fingers, and I know where most of the letter keys are.
- (D) I can type with all ten fingers when I look at the keyboard.
- (E) I can type with all ten fingers without looking at the keyboard.

14. Would you rather take a test at school using paper and pencil or using a computer?

- (A) Paper and pencil
- (B) Computer

15. Do you think you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270229
b. Edit text using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270230
d. Look up the meaning of a word using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270225
e. Draw a picture using a computer	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH270226

16. How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. Wi-Fi	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270196
b. Firewall	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270197
c. Neuro-digital computing	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270199
d. Instant messaging	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270200
e. Cut and paste	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270203
f. Pyramidal browser	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270204
g. Spreadsheet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270206
h. Limbic wire	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270207
i. Spinalbyte	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270208
j. Server	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270210
k. Callosum board	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH270214

## **Part II-w: 2017 Operational Grade 8 CAFS**

1. **At home**, do you have any of the following? Select **one** answer choice on each row.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270141
b. A <b>laptop or desktop computer</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270142
c. A <b>tablet</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270139
d. A <b>tablet</b> that is shared between you and others	<input type="radio"/> A	<input type="radio"/> B	VH270140
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	<input type="radio"/> A	<input type="radio"/> B	VH270143
f. A <b>smartphone</b> that is only for your use	<input type="radio"/> A	<input type="radio"/> B	VH270144

2. When did you first use a **laptop or desktop computer**?

- A I have never used one.
- B Before I was in kindergarten
- C When I was in kindergarten
- D When I was in first, second, or third grade
- E When I was in fourth or fifth grade
- F When I was in sixth, seventh, or eighth grade

3. When did you first use a **tablet**?

- A Never until this assessment
- B Before I was in kindergarten
- C When I was in kindergarten
- D When I was in first, second, or third grade
- E When I was in fourth or fifth grade
- F When I was in sixth, seventh, or eighth grade



4. When did you first use a **smartphone**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade

5. **On a weekday**, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

6. **On a weekday**, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

7. Were you taught any of the following **at school**? Select **one** answer choice on each row.

	Yes	No	
a. How to type on a computer keyboard using the correct fingers	<input type="radio"/> A	<input type="radio"/> B	VH270150
b. How to write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270151
c. How to edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270164
d. How to search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	VH270152
e. How to use a tablet	<input type="radio"/> A	<input type="radio"/> B	VH270156
f. How to look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270157
g. How to create a spreadsheet using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270154
h. How to create a presentation using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270155
i. How to run simulations using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270159
j. How to write a computer program or app	<input type="radio"/> A	<input type="radio"/> B	VH270160
k. How to create a graph or chart using a computer	<input type="radio"/> A	<input type="radio"/> B	VH270161
l. How to troubleshoot problems with a computer	<input type="radio"/> A	<input type="radio"/> B	VH270158

8. Which of the following are true about the ways in which you and your teachers use computers **at school**? Select **one** answer choice on each row.

	Yes	No	
a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270166
b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270167
c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.	<input type="radio"/> A	<input type="radio"/> B	VH270170
d. Most of my teachers use computers when teaching my classes.	<input type="radio"/> A	<input type="radio"/> B	VH270169
e. Most of my teachers require us to use computers in the classroom.	<input type="radio"/> A	<input type="radio"/> B	VH270168

9. Has your school assigned you a **laptop or desktop computer** that only you can use?

- A No  
 B Yes, but I cannot take it home with me.  
 C Yes, and I can take it home with me (laptop only).

10. Has your school assigned you a **tablet** that only you can use?

- A No  
 B Yes, but I cannot take it home with me.  
 C Yes, and I can take it home with me.

11. This school year, how often have you used a **laptop or desktop computer** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	(A)	(B)	(C)	(D)	(E)	VH270172
b. Write a paper for school that was longer than a page	(A)	(B)	(C)	(D)	(E)	VH270173
c. Search the Internet for a school project	(A)	(B)	(C)	(D)	(E)	VH270174
d. Practice things in <b>mathematics</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270181
e. Practice things in <b>reading</b> that you were having trouble learning	(A)	(B)	(C)	(D)	(E)	VH270177
f. Take a test	(A)	(B)	(C)	(D)	(E)	VH270175
g. Create a map	(A)	(B)	(C)	(D)	(E)	VH270178
h. Work on a website or blog that you maintain	(A)	(B)	(C)	(D)	(E)	VH270179
i. Create a multimedia presentation <i>on your own</i>	(A)	(B)	(C)	(D)	(E)	VH270180
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	(A)	(B)	(C)	(D)	(E)	VH270176

12. This school year, how often have you used a **tablet** to do each of the following? Select **one** answer choice on each row.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270183
b. Write a paper for school that was longer than a page	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270188
c. Search the Internet for a school project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270184
d. Practice things in <b>mathematics</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270185
e. Practice things in <b>reading</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270186
f. Take a test	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270192
g. Create a map	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270189
h. Work on a website or blog that you maintain	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270190
i. Create a multimedia presentation <i>on your own</i>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270191
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH270187

13. Which best describes the way you type on a computer keyboard?

- A I don't know how to type using a computer keyboard.
- B I can type with one or two fingers, but I have to search for where the letter keys are.
- C I can type with one or two fingers, and I know where most of the letter keys are.
- D I can type with all ten fingers when I look at the keyboard.
- E I can type with all ten fingers without looking at the keyboard.

14. Would you rather take a test at school using paper and pencil or using a computer?

Ⓐ Paper and pencil

Ⓑ Computer

15. Do you think you would be able to do each of the following? Select **one** answer choice on each row.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	(A)	(B)	(C)	(D)	VH270229
b. Edit text using a computer	(A)	(B)	(C)	(D)	VH270218
c. Use a touchscreen on a computer, tablet, or smartphone	(A)	(B)	(C)	(D)	VH270230
d. Look up the meaning of a word using a computer	(A)	(B)	(C)	(D)	VH270225
e. Draw a picture using a computer	(A)	(B)	(C)	(D)	VH270226
f. View or download digital media	(A)	(B)	(C)	(D)	VH270216
g. Create a presentation using a computer	(A)	(B)	(C)	(D)	VH270228
h. Create a spreadsheet using a computer	(A)	(B)	(C)	(D)	VH270231
i. Install new software or apps	(A)	(B)	(C)	(D)	VH270219
j. Participate in online discussions, forums, social networking sites, or virtual communities	(A)	(B)	(C)	(D)	VH270220
k. Maintain a website or blog	(A)	(B)	(C)	(D)	VH270221
l. Search for information on the Internet	(A)	(B)	(C)	(D)	VH270222
m. Run simulations using a computer	(A)	(B)	(C)	(D)	VH270223
n. Create a graph or chart using a computer	(A)	(B)	(C)	(D)	VH270224
o. Write a computer program or app	(A)	(B)	(C)	(D)	VH270227
p. Troubleshoot a problem with a computer	(A)	(B)	(C)	(D)	VH270232
q. Figure out how to use new functions of a digital device that I am not yet familiar with	(A)	(B)	(C)	(D)	VH270217

16. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10



17. Please read the descriptions of the following four eighth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

**Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

18. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

19. **Susan** often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Susan is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

20. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Kevin is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10

21. How familiar are you with each of the following? Select **one** answer choice on each row.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	(A)	(B)	(C)	(D)	VH270195
b. Wi-Fi	(A)	(B)	(C)	(D)	VH270196
c. Firewall	(A)	(B)	(C)	(D)	VH270197
d. Hyperlink	(A)	(B)	(C)	(D)	VH270198
e. Neuro-digital computing	(A)	(B)	(C)	(D)	VH270199
f. Instant messaging	(A)	(B)	(C)	(D)	VH270200
g. CPU	(A)	(B)	(C)	(D)	VH270201
h. Cut and paste	(A)	(B)	(C)	(D)	VH270203
i. Pyramidal browser	(A)	(B)	(C)	(D)	VH270204
j. Spreadsheet	(A)	(B)	(C)	(D)	VH270206
k. Limbic wire	(A)	(B)	(C)	(D)	VH270207
l. Spinalbyte	(A)	(B)	(C)	(D)	VH270208
m. Cloud computing	(A)	(B)	(C)	(D)	VH270209
n. Server	(A)	(B)	(C)	(D)	VH270210
o. Compiler	(A)	(B)	(C)	(D)	VH270212
p. Callosum board	(A)	(B)	(C)	(D)	VH270214

## **Part II-x: 2015 Operational Grade 12 CAFS**

# SECTION 5

## Section 5

This section has 23 questions. Mark your answers in your booklet. Fill in only **one** oval for each question.

VH155319

1. How much do you know about using computers and other digital devices?

- Ⓐ I hardly know anything at all.
- Ⓑ I know something.
- Ⓒ I know quite a bit.
- Ⓓ I know a lot.

VH155275

2. **At home**, do you have any of the following? Fill in **one** oval on each line.

	Yes	No	
a. A <b>laptop or desktop computer</b> that is only for your use	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155283
b. A <b>laptop or desktop computer</b> that is shared between you and others	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155284
c. A <b>tablet</b> that is only for your use	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155280
d. A <b>tablet</b> that is shared between you and others	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155281
e. <b>Wi-Fi</b> or some other <b>Internet connection</b> you can use	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155285
f. A <b>smartphone</b> that is only for your use	<input type="radio"/> Ⓐ	<input type="radio"/> Ⓑ	VH155287

VH155339

3. When did you first use a **laptop or desktop computer**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

VH155345

4. When did you first use a **tablet**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school

VH155351

5. When did you first use a **smartphone**?

- Ⓐ I have never used one.
- Ⓑ Before I was in kindergarten
- Ⓒ When I was in kindergarten
- Ⓓ When I was in first, second, or third grade
- Ⓔ When I was in fourth or fifth grade
- Ⓕ When I was in sixth, seventh, or eighth grade
- Ⓖ When I was in high school





VH155330

6. On a weekday, about **how many hours** do you use a **laptop or desktop computer** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

VH155332

7. On a weekday, about **how many hours** do you use a **tablet** for doing schoolwork, including homework?

- Ⓐ None
- Ⓑ Less than an hour
- Ⓒ 1 to 2 hours
- Ⓓ 2 to 3 hours
- Ⓔ 3 to 4 hours
- Ⓕ More than 4 hours

Section 5

VH155373

8. Were you taught any of the following **at school**? Fill in **one** oval on each line.

- |   | Yes                     | No                      |          |
|---|-------------------------|-------------------------|----------|
| a. How to type on a computer keyboard using the correct fingers | <input type="radio"/> A | <input type="radio"/> B | VH155375 |
| b. How to write sentences and paragraphs using a computer       | <input type="radio"/> A | <input type="radio"/> B | VH155376 |
| c. How to edit text using a computer                            | <input type="radio"/> A | <input type="radio"/> B | VH176918 |
| d. How to search for information on the Internet                | <input type="radio"/> A | <input type="radio"/> B | VH155377 |
| e. How to use a tablet  | <input type="radio"/> A | <input type="radio"/> B | VH155378 |
| f. How to draw a picture using a computer                       | <input type="radio"/> A | <input type="radio"/> B | VH155379 |
| g. How to look up the meaning of a word using a computer        | <input type="radio"/> A | <input type="radio"/> B | VH155380 |
| h. How to create a spreadsheet using a computer                 | <input type="radio"/> A | <input type="radio"/> B | VH155381 |
| i. How to create a presentation using a computer                | <input type="radio"/> A | <input type="radio"/> B | VH155382 |
| j. How to run simulations using a computer                      | <input type="radio"/> A | <input type="radio"/> B | VH155384 |
| k. How to write a computer program or app                       | <input type="radio"/> A | <input type="radio"/> B | VH155385 |
| l. How to create a graph or chart using a computer              | <input type="radio"/> A | <input type="radio"/> B | VH155386 |
| m. How to maintain a website or blog                            | <input type="radio"/> A | <input type="radio"/> B | VH155387 |
| n. How to install new software or apps                          | <input type="radio"/> A | <input type="radio"/> B | VH155388 |
| o. How to troubleshoot problems with a computer                 | <input type="radio"/> A | <input type="radio"/> B | VH155383 |



VH155477

9. Which of the following are true about the ways in which you and your teachers use computers **at school**? Fill in **one** oval on each line.

- |  | Yes                       | No                        |          |
|--|---------------------------|---------------------------|----------|
| a. In most of my classes there are <b>laptop or desktop computers</b> that I can use for schoolwork. | <input type="radio"/> (A) | <input type="radio"/> (B) | VH155479 |
| b. In most of my classes there are <b>tablets</b> that I can use for schoolwork.                     | <input type="radio"/> (A) | <input type="radio"/> (B) | VH155482 |
| c. There is <b>Wi-Fi</b> or some other <b>Internet connection</b> that I can use for schoolwork.     | <input type="radio"/> (A) | <input type="radio"/> (B) | VH182383 |
| d. Most of my teachers use computers when teaching my classes.                                       | <input type="radio"/> (A) | <input type="radio"/> (B) | VH155484 |
| e. Most of my teachers require us to use computers in the classroom.                                 | <input type="radio"/> (A) | <input type="radio"/> (B) | VH155485 |

VH196393

10. Has your school assigned you a **laptop or desktop computer** that only you can use?

- (A) No
- (B) Yes, but I cannot take it home with me.
- (C) Yes, and I can take it home with me (laptop only).

VH196403

11. Has your school assigned you a **tablet** that only you can use?

- (A) No
- (B) Yes, but I cannot take it home with me.
- (C) Yes, and I can take it home with me.

Section 5

VH155495

12. **This school year**, how often have you used a **laptop or desktop computer** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155496
b. Write a paper for school that was longer than a page	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155497
c. Search the Internet for a school project	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH155498
d. Practice things in <b>mathematics</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176943
e. Practice things in <b>reading</b> that you were having trouble learning	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176945
f. Take a test	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH176946
g. Create a map	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224684
h. Work on a website or blog that you maintain	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224685
i. Create a multimedia presentation <i>on your own</i>	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224686
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	VH224690



13. **This school year**, how often have you used a **tablet** to do each of the following? Fill in **one** oval on each line.

	Never	A few times	Once every few weeks	About once a week	More than once a week	
a. Write a short paper (less than a page) for school	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155525
b. Write a paper for school that was longer than a page	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155528
c. Search the Internet for a school project	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH155527
d. Practice things in <b>mathematics</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176938
e. Practice things in <b>reading</b> that you were having trouble learning	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176925
f. Take a test	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH176927
g. Create a map	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224714
h. Work on a website or blog that you maintain	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224720
i. Create a multimedia presentation <i>on your own</i>	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224722
j. Work collaboratively <i>with a team of students</i> to create a multimedia presentation	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	<input type="radio"/> E	VH224725

Section 5

VH155541

14. Which best describes the way you type on a computer keyboard?

- Ⓐ I don't know how to type using a computer keyboard.
- Ⓑ I can type with one or two fingers, but I have to search for where the letter keys are.
- Ⓒ I can type with one or two fingers, and I know where most of the letter keys are.
- Ⓓ I can type with all ten fingers when I look at the keyboard.
- Ⓔ I can type with all ten fingers without looking at the keyboard.

VH155884

15. Compared to other students in your English/language arts class, how fast do you type on a computer keyboard?

- Ⓐ I am slower than most students.
- Ⓑ I type about the same speed as others.
- Ⓒ I am faster than most students.
- Ⓓ I don't know.

VH176951

16. Would you rather take a test at school using paper and pencil or using a computer?

- Ⓐ Paper and pencil
- Ⓑ Computer



17. Do you think you would be able to do each of the following? Fill in **one** oval on each line.

	I definitely can't.	I probably can't.	I probably can.	I definitely can.	
a. Write sentences and paragraphs using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH176967
b. Edit text using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155803
c. Use a touchscreen on a computer, tablet, or smartphone	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH176970
d. Look up the meaning of a word using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155810
e. Draw a picture using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155811
f. View or download digital media	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155800
g. Create a presentation using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155820
h. Create a spreadsheet using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155802
i. Install new software or apps	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155804
j. Participate in online discussions, forums, social networking sites, or virtual communities	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155805
k. Maintain a website or blog	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155806
l. Search for information on the Internet	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155807
m. Run simulations using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155808
n. Create a graph or chart using a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155809
o. Write a computer program or app	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH155812
p. Troubleshoot a problem with a computer	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH196843
q. Figure out how to use new functions of a digital device that I am not yet familiar with	<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D	VH224738

Section 5

VH155876

18. On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices are you**?

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10





VH155881

Please read the descriptions of the following four twelfth-grade students. After you read each description, you will be asked to answer a question about each student based on the information provided.

VH155887

19. **Linda** often uses apps to talk to her friends or to play games. She does some of her homework on her laptop and knows how to write and create tables using a computer. Linda cannot type with 10 fingers but is pretty fast with two fingers and mostly finds the right keys.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Linda is?**

- (A) 0
- (B) 1
- (C) 2
- (D) 3
- (E) 4
- (F) 5
- (G) 6
- (H) 7
- (I) 8
- (J) 9
- (K) 10

20. **Tom** often uses apps to talk to his friends or to play games. He does most of his homework on a computer and knows how to write and edit papers on a computer and how to create complex tables or charts. He also created a few presentations using a computer. Tom can type pretty accurately using ten fingers when looking at the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Tom is?**

- (A) 0
- (B) 1
- (C) 2
- (D) 3
- (E) 4
- (F) 5
- (G) 6
- (H) 7
- (I) 8
- (J) 9
- (K) 10



21. **Susan** often uses apps on a smartphone or tablet and does most of her homework on a laptop. She is good at writing and editing papers on her computer and has experience with creating complex tables and charts. Susan can type fast and accurately with 10 fingers without looking at the computer keyboard. She also knows a couple of programming languages. This school year, she built her first app.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Susan is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓝ 9
- Ⓚ 10

22. **Kevin** sometimes plays games on his smartphone or a computer, but he usually does not use a computer for his homework. He used a computer a couple of times to write a paper but never used a computer to create tables, charts, or presentations. Kevin can type with one or two fingers but has to search to find the correct keys on the computer keyboard.

On a scale from 0 to 10, where 0 is not at all familiar and 10 is very familiar, **how familiar with using computers and other digital devices do you think Kevin is?**

- Ⓐ 0
- Ⓑ 1
- Ⓒ 2
- Ⓓ 3
- Ⓔ 4
- Ⓕ 5
- Ⓖ 6
- Ⓗ 7
- Ⓘ 8
- Ⓙ 9
- Ⓚ 10



23. How familiar are you with each of the following? Fill in **one** oval on each line.

	Never heard of it	Heard of it once or twice	Heard of it often	Know it well, understand the concept	
a. E-reader	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155751
b. Wi-Fi	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155752
c. Firewall	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155753
d. Hyperlink	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155756
e. Neuro-digital computing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155757
f. Instant messaging	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155758
g. CPU	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155759
h. Track changes	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155760
i. Cut and paste	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155761
j. Pyramidal browser	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155762
k. Pivot table	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155763
l. Spreadsheet	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155765
m. Limbic wire	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155766
n. Spinalbyte	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155767
o. Cloud computing	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155768
p. Server	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155769
q. Root directory	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155770
r. Compiler	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155771
s. ASCII	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155772
t. Callosum board	Ⓐ	Ⓑ	Ⓒ	Ⓓ	VH155779



**Part II-y: 2018 Cognitive Interviews Grade 4 & 8  
Household Composition**

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)
Hcomp_01a		How many different homes do you live in right now?	1	2	More than 2

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)
Hcomp_01b		In the last month, have you lived in one home, two homes, or more than two homes?	One home	Two homes	More than two homes

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)
Hcomp_02_00		Think about all the people who live with you in your home and answer the following questions. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02_02	b.	How many adults (18 and older) live with you?	A	B	C	D

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)
Hcomp_02a_00		You said you live in more than one home. Think about all the people who live in your first home and answer the following questions. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02a_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02a_02	b.	How many adults (18 and older) live with you?	A	B	C	D

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)
Hcomp_02b_00		You have told us about the people in your first home. Think about all the people who live with you in your second home and answer the following questions. Select one answer choice on each row.	0	1	2	More than 2
Hcomp_02b_01	a.	How many children (17 or younger) live with you?	A	B	C	D
Hcomp_02b_02	b.	How many adults (18 and older) live with you?	A	B	C	D

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)	Draft Response Option D (11/13/2017)	Draft Response Option E (11/13/2017)
Hcomp_03		Think about all the adults that live in your home(s). How many of these adults are taking care of you?	1	2	3	4	More than 4



AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)
Hcomp_04		Think about the adults that you live in your home(s). Which adults are taking care of you? Select one adult in each drop-down list.	Adult #1: _____ (dropdown options: Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult)	Adult #2: _____ (dropdown options: No other adults to report / Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult)	Adult #3: _____ (dropdown options: No other adults to report / Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult)	Adult #4: _____ (dropdown options: No other adults to report / Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult)

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)	Draft Response Option D (11/13/2017)	Draft Response Option E (11/13/2017)	Draft Response Option F (11/13/2017)	Draft Response Option G (11/13/2017)
Hcomp_04a		You said one adult is taking care of you. How is this adult related to you?	Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult						

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)	Draft Response Option D (11/13/2017)	Draft Response Option E (11/13/2017)	Draft Response Option F (11/13/2017)	Draft Response Option G (11/13/2017)
Hcomp_04b		You said more than one adult is taking care of you. Think about the first adult (you can tell us about up to four adults). We will call them Adult #1. How is Adult #1 related to you?	Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult						

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)	Draft Response Option D (11/13/2017)	Draft Response Option E (11/13/2017)	Draft Response Option F (11/13/2017)	Draft Response Option G (11/13/2017)
Hcomp_04c		Think about the [second/third/fourth] adult taking care of you. We will call them Adult #[X]. How is Adult #[X] related to you?	Mother / Step-mother / Foster mother or adoptive mother / Other female relative such as grandmother or aunt / Some other female adult / Father / Step-father / Foster father or adoptive father / Other male relative such as grandfather or uncle / Some other male adult						

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)	Draft Response Option E (11/28/2017)	Draft Response Option F (11/28/2017)
CrgvrEd_01		How far in school did your [XXXXX] go?	[She/He] did not finish high school	[She/He] graduated from high school (or a GED/HSED)	[She/He] had some education after high school	[She/He] graduated from college	[She/He] had some education after college	I don't know.

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/28/2017)	Draft Response Option A (11/28/2017)	Draft Response Option B (11/28/2017)	Draft Response Option C (11/28/2017)	Draft Response Option D (11/28/2017)	Draft Response Option E (11/28/2017)	Draft Response Option F (11/28/2017)
CrgvrEd_02		What is this adult's highest level of education?	[She/He] did not finish high school	[She/He] graduated from high school (or a GED/HSED)	[She/He] had some education after high school	[She/He] graduated from college	[She/He] had some education after college	I don't know.

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)
CrgvrEmp_01		In the last month, has your [XXXXX] worked for pay?	Yes	No	I don't know.

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)
CrgvrEmp_02		In the last month, has this adult worked for pay?	Yes	No	I don't know.

AccNum (11/13/2017)	Sub-Item Letters	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)	Draft Response Option D (11/13/2017)
CrgvrEmp_03		Does this adult usually work during the daytime, at night, or both?	Daytime	At night	Both	I don't know.

AccNum (11/13/2017)	Sub- Item Letter s	Draft Item Wording (11/13/2017)	Draft Response Option A (11/13/2017)	Draft Response Option B (11/13/2017)	Draft Response Option C (11/13/2017)
CrgvrEmp_04		In the last month, did this adult work at one job, or did this adult work at two or more jobs?	<b>One job</b>	<b>Two or more jobs</b>	<b>I don't know.</b>